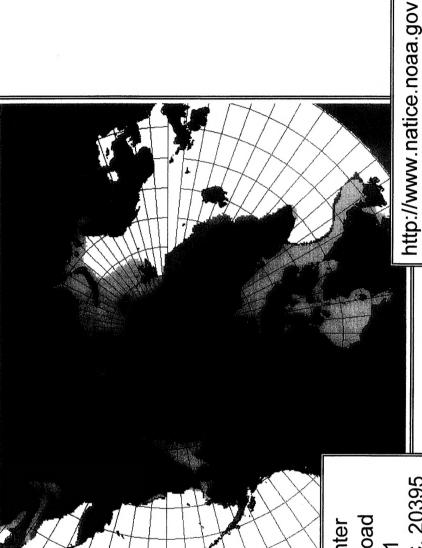


## | National Ice Center | Arctic Sea Ice Atlas | 1996





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## PREFACE

Atmospheric Administration (NOAA), provides sea ice analyses encompassing The National Ice Center (NIC), under sponsorship of the United States observations and differ only in that the Arctic and Antarctic are split into two established under our previous name, the Joint Ice Center. These atlases continue the near real-time integration of remotely sensed data and point the "Arctic" and the "Antarctic". These analyses continue the data set Navy, the United States Coast Guard, and the National Oceanic and separate publications per hemisphere per year.

This publication is the "Arctic Sea Ice Atlas" published in hard copy format format on CD-ROM through the National Snow and Ice Data Center (http://wwwcoverage in the Northern Hemisphere from the first week of January through the last week of December 1996. Future annual atlases will be available in a digital by the NIC. The atlas contains weekly charts depicting the sea ice extent and nsidc.colorado.edu). NSIDC is the official archive center for the NIC.

derived from DMSP Special Sensor Microwave Imager (SSMII), and dashed lines Resolution Radiometer (AVHRR) data. Dash-dash-dotted lines depict boundaries The NIC uses a wide variety of data sources in the production of sea ice Program Operational Line Scan (DMSP OLS) and NOAA Advanced Very High analyses. Table 1 lists the data sources used to produce the Arctic weekly ice boundaries derived from: point observations, Defense Meteorological Satellite analyses contained in this publication. The line types used in the analyses provide metadata information with regard to sensor type. Solid lines depict depict boundaries derived from forecast models and climatology.

Please direct questions or comments to the NIC Liaison Branch, at phone number (301) 457-5303 extension 311 or 303, facsimile number (301)457-5300, or electronic mail address: liaison@natice.noaa.gov

			-
Coverage	3,012km 3,012km	4,000km	500km
Resolution	0.55 km 25 km	1.1km at nadir; 2.5km at swath edge	100km
Spectral Region	0.4 to 1.1 µm 10.2 to 12.8 µm 19.35 and 37GHz	0.58 to 0.68 µm 0.72 to 1.10 µm 3.55 to 3.93µm	C- Band (5.3 Ghz) 100km
Sensor and Type	OLS Fine: VIS IR SSM/I	AVHRR: HRPT/LAC VIS NrIR IR	AMI
Sensor Platform	DMSP F-10, 11, 12, 13	01-96 12-96 NOAA 12, 14	01-96 12-96 RADARSAT AMI SAR
To	01-96 12-96 DMSP F-10, 1 12, 13	12-96	12-96
From	01-96	01-96	01-96

**TABLE 1. 1996 Arctic Satellite Data Sources** 

## Abbreviations and Acronyms:

AVHRR- Advanced Very High Resolution Radiometer AMI- Active Microwave Sensor cm- centimeter

ERS- Earth Remote Sensing Satellite

HRPT- High Resolution Picture transmission GHz- GigaHertz

LAC- Local Area Coverage

km- kilometer R- Infrared

NIR- Near Infrared

OLS- Operational Linescan System RADARSAT- Radar Satellite

SSM/I- Special Sensor Microwave Imager SAR- Synthetic Aperture Radar

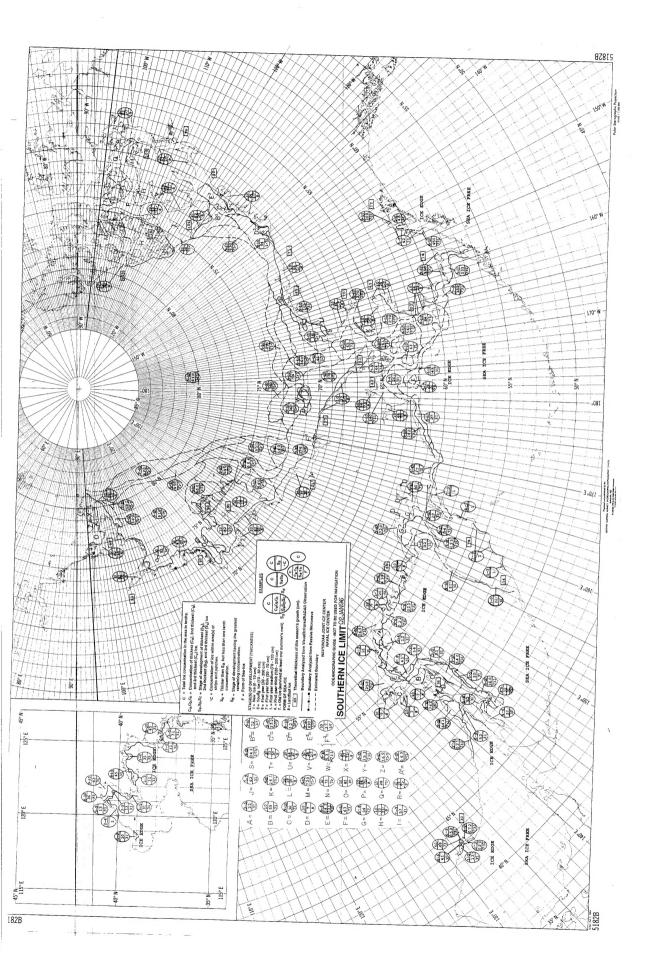
um- micrometer

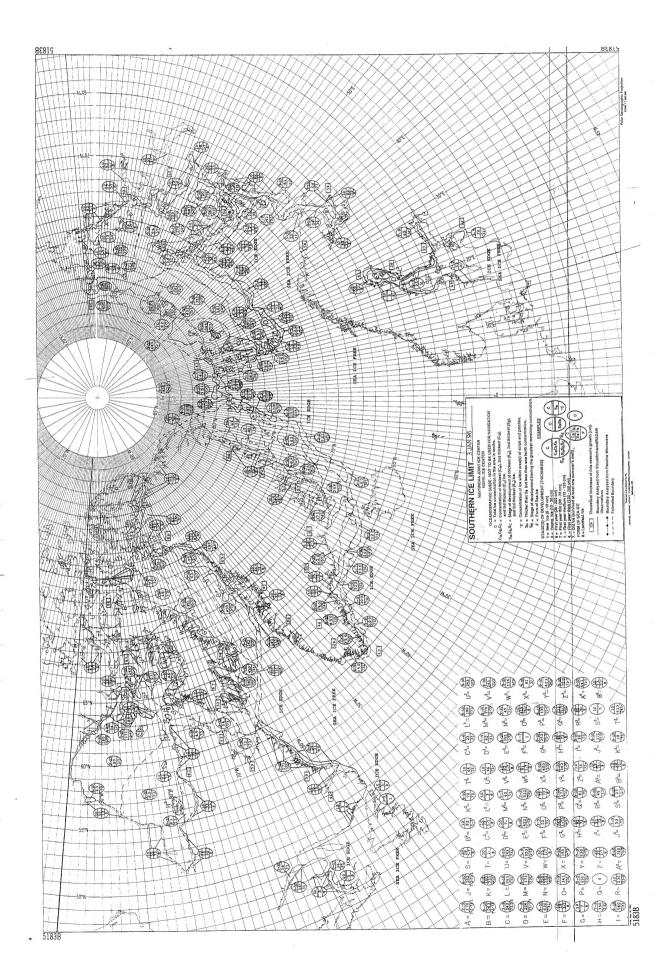
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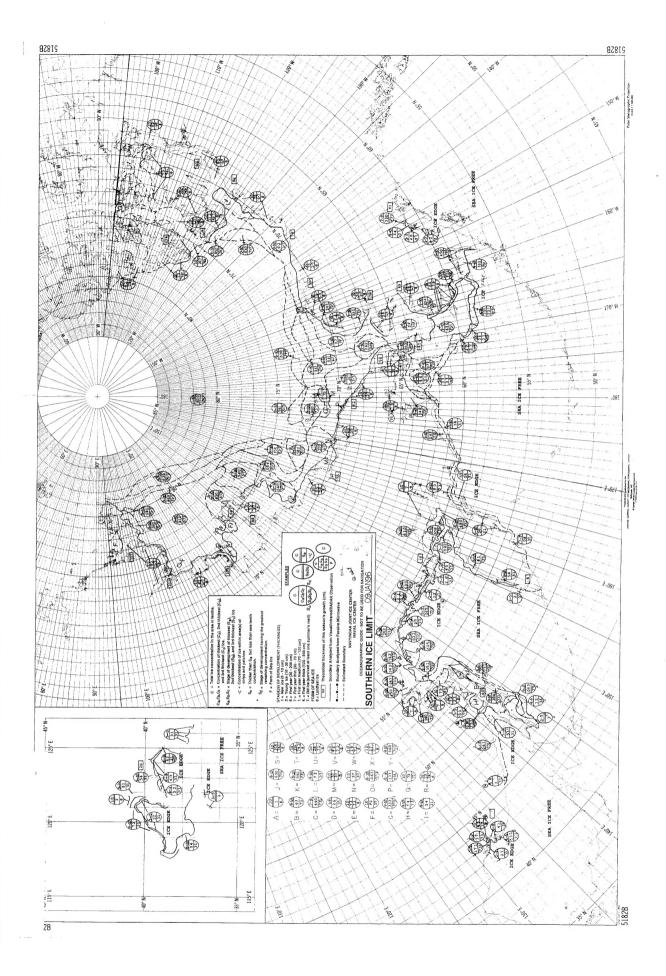
SAR- Synthetic Aperture Radar RADARSAT- Radar Satellite

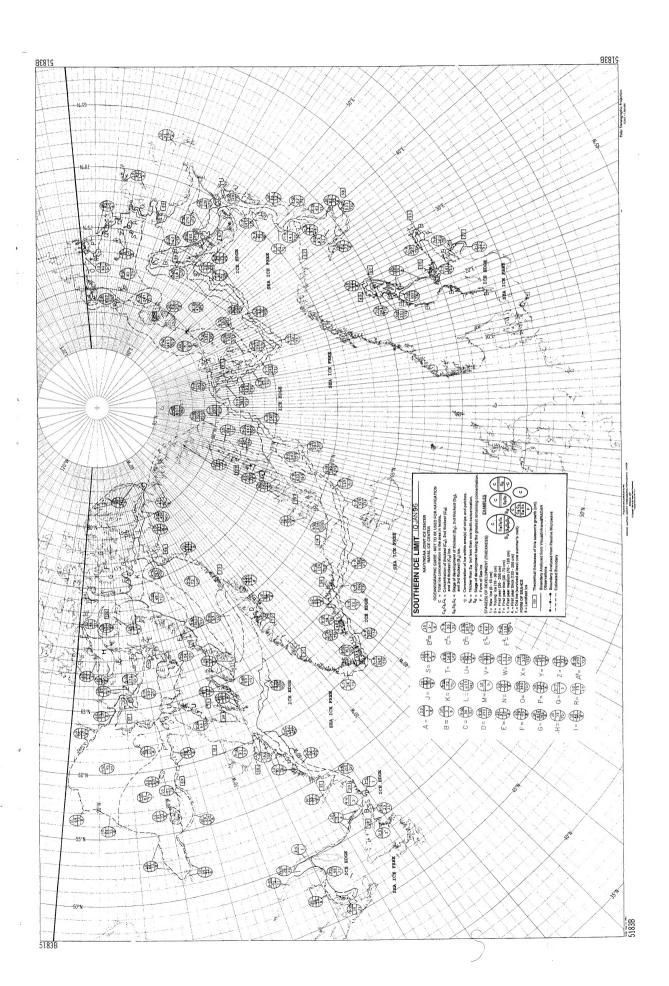
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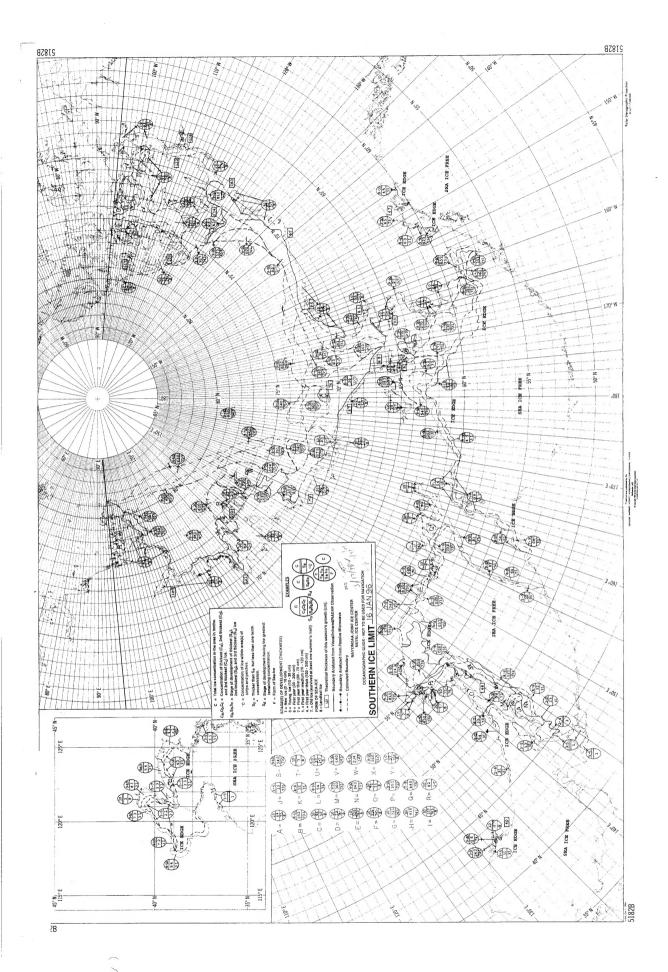
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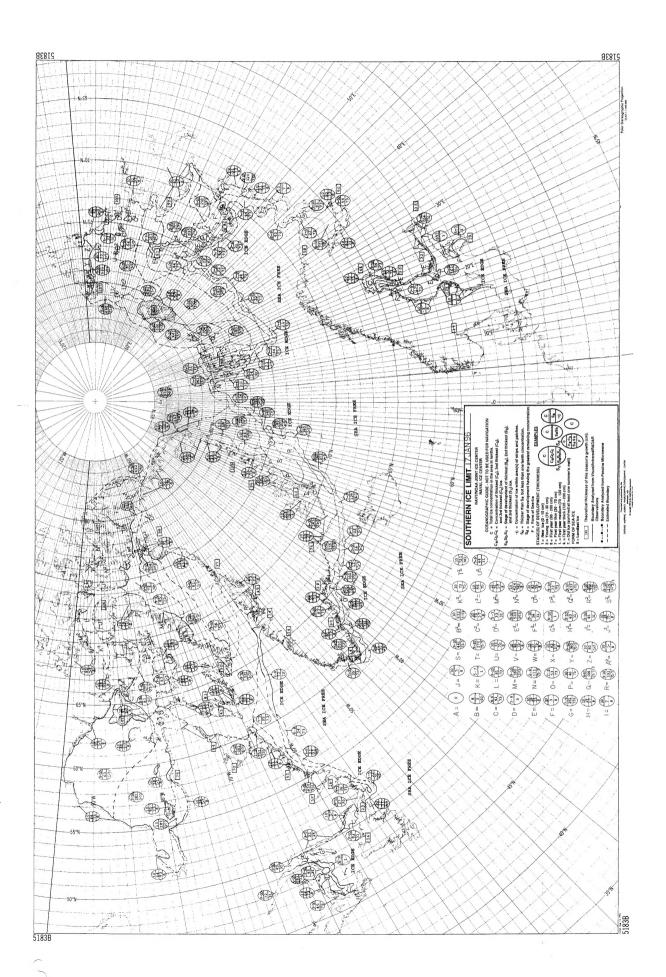


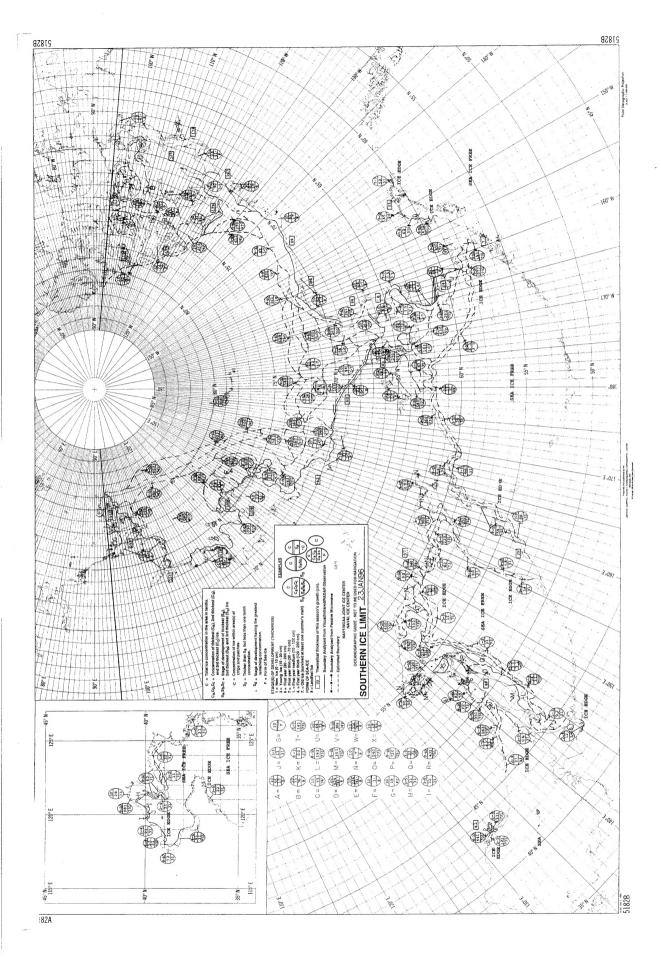


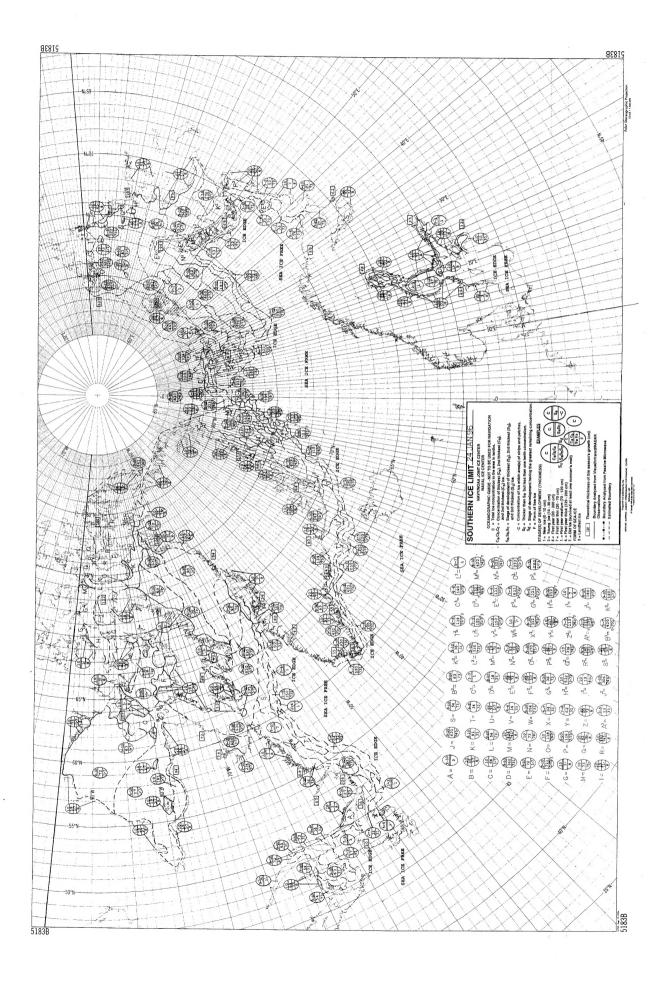


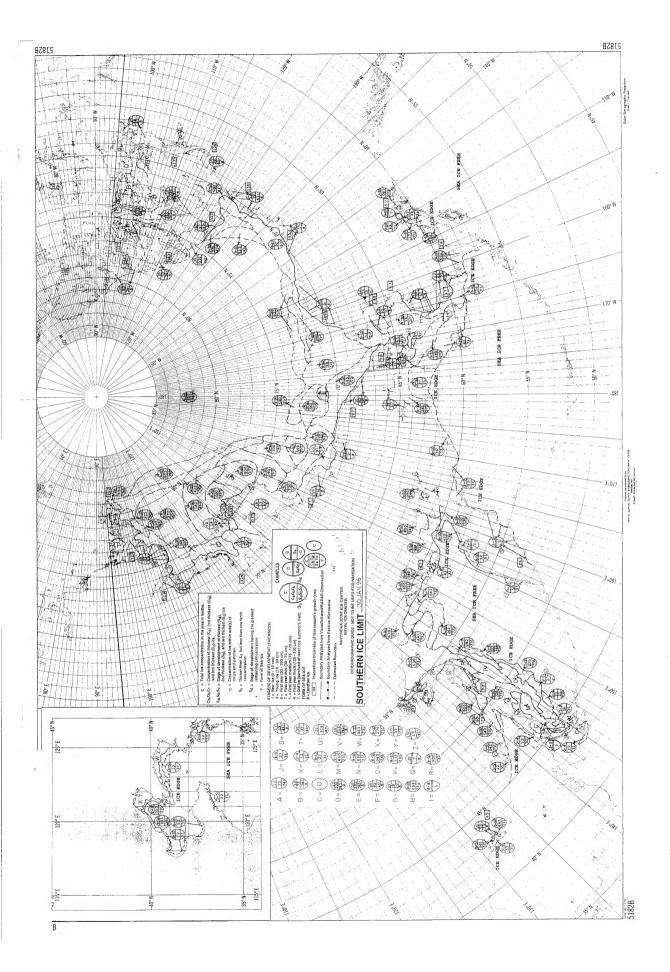


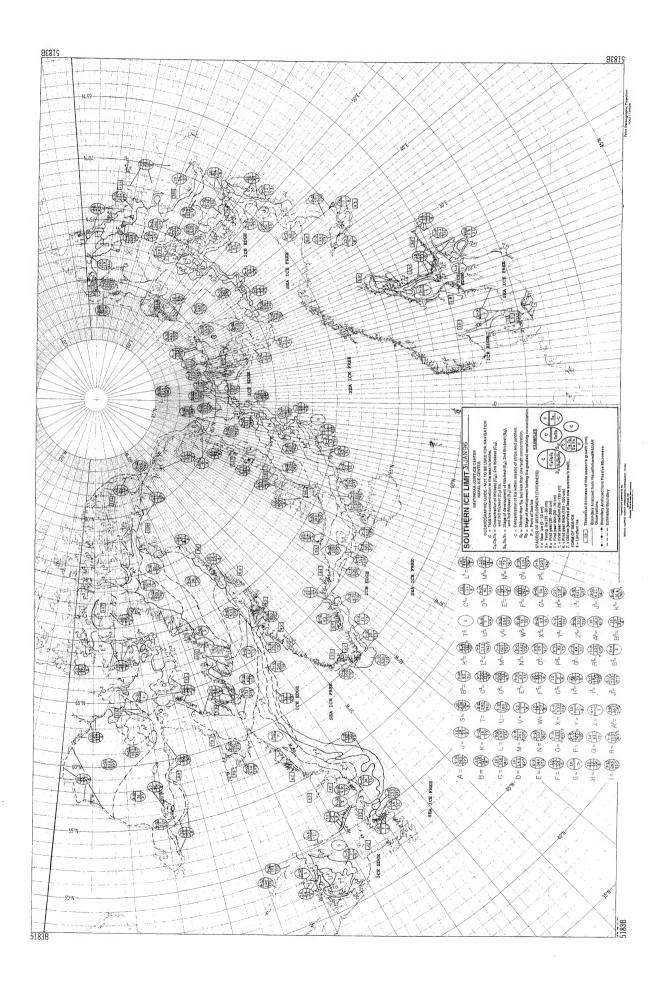


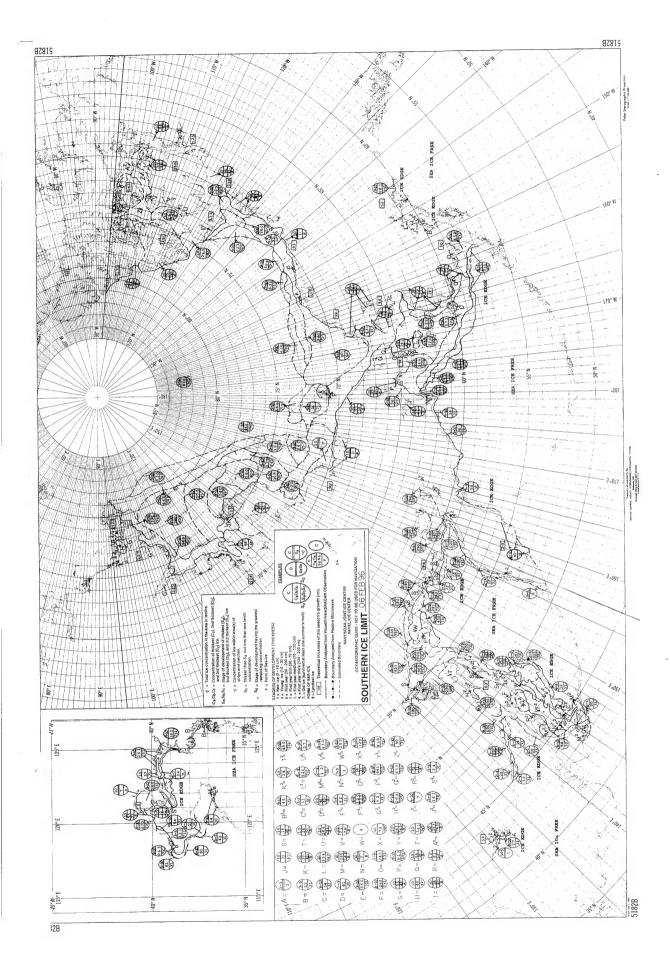


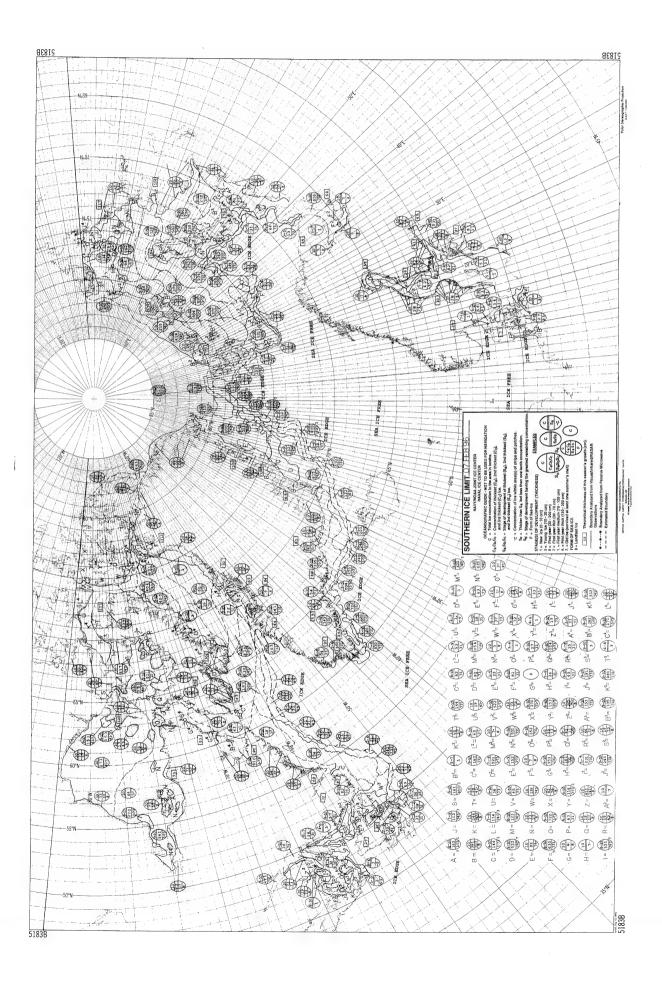


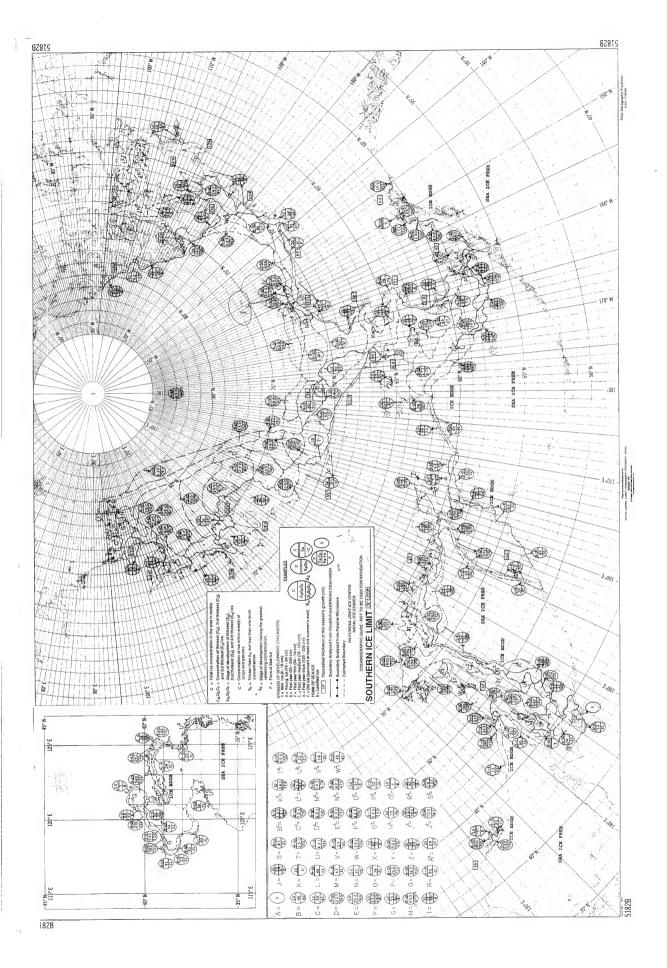


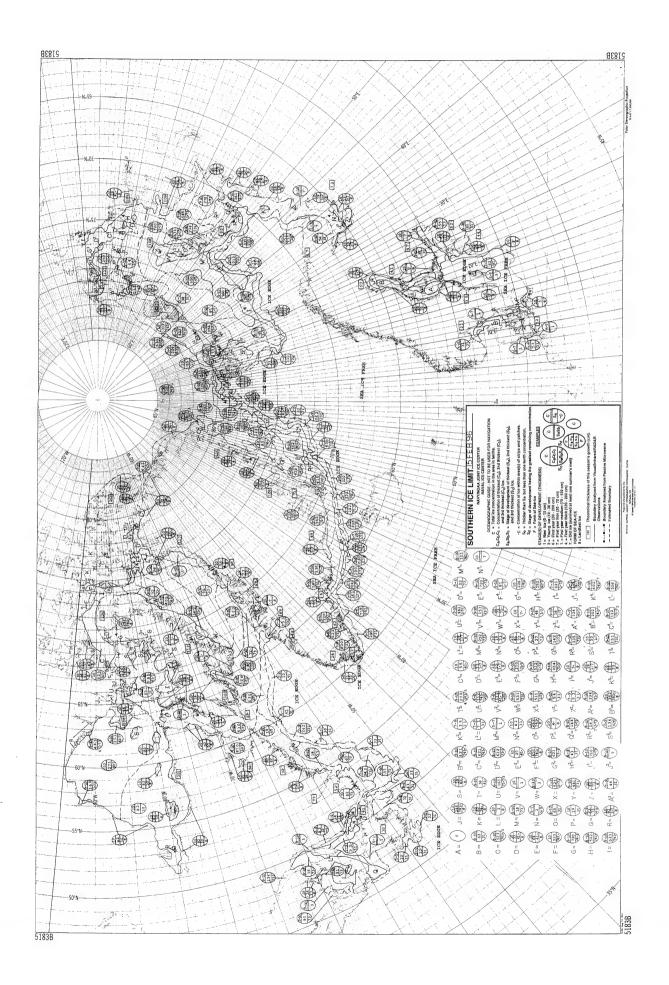


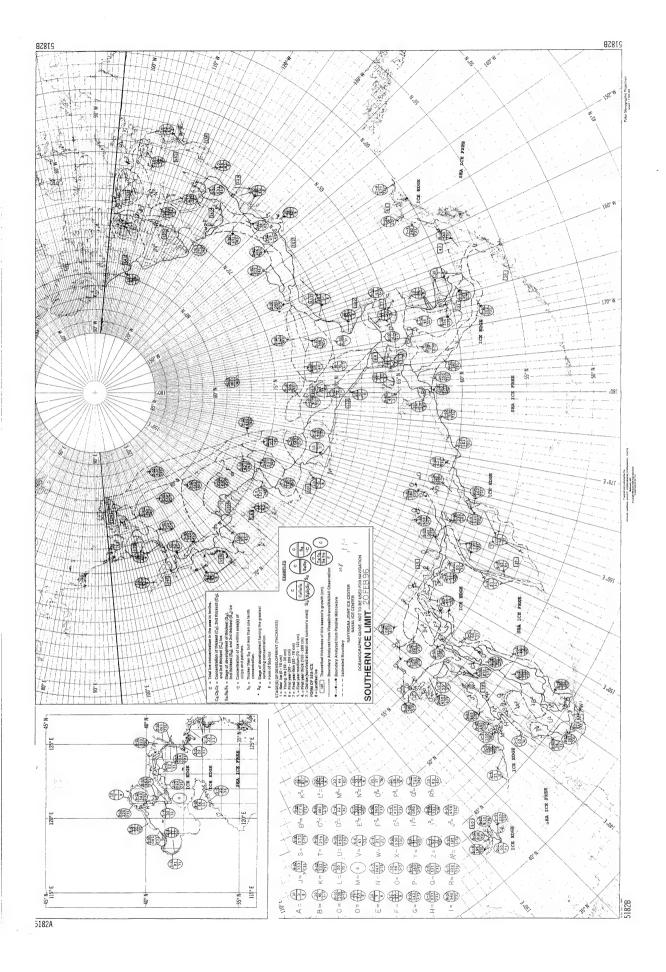


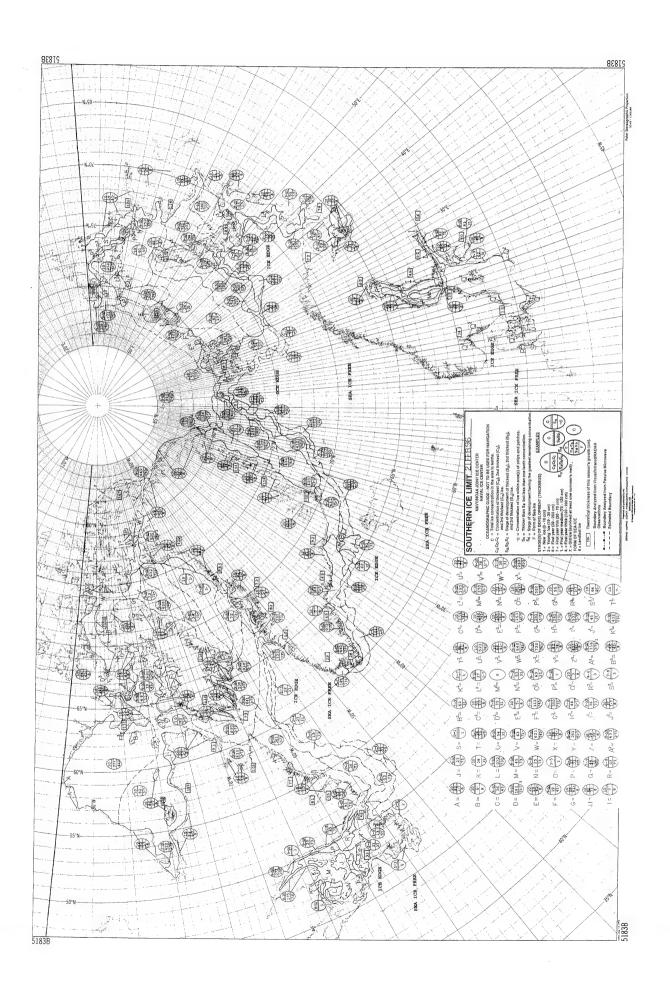


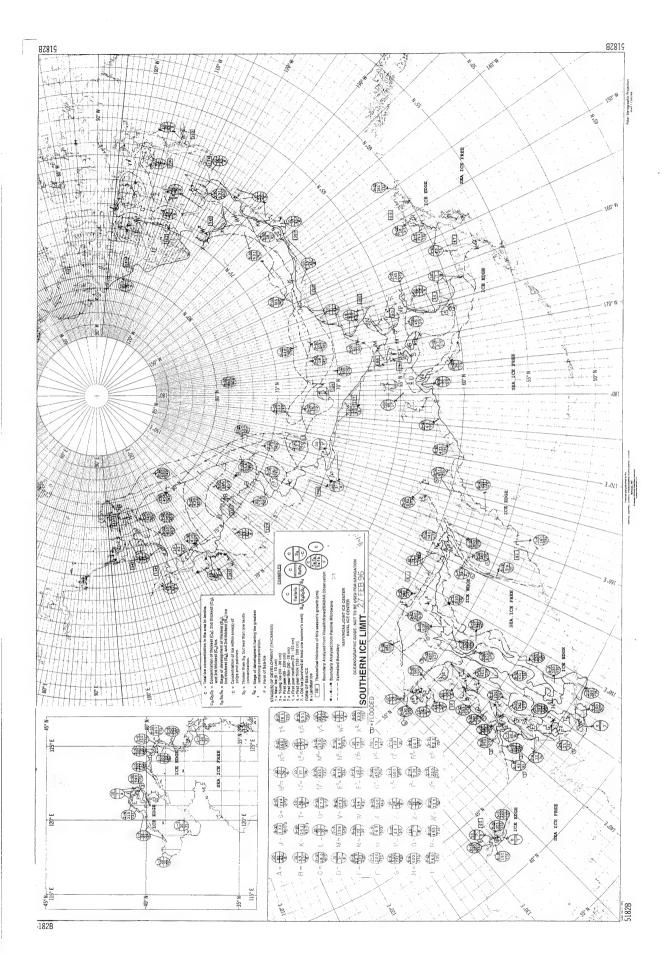


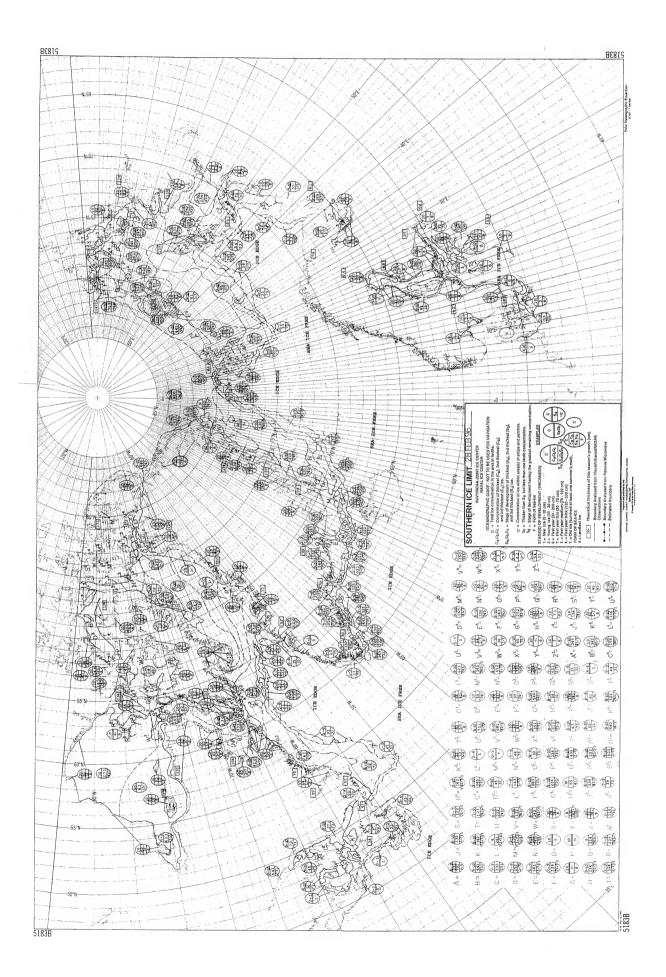


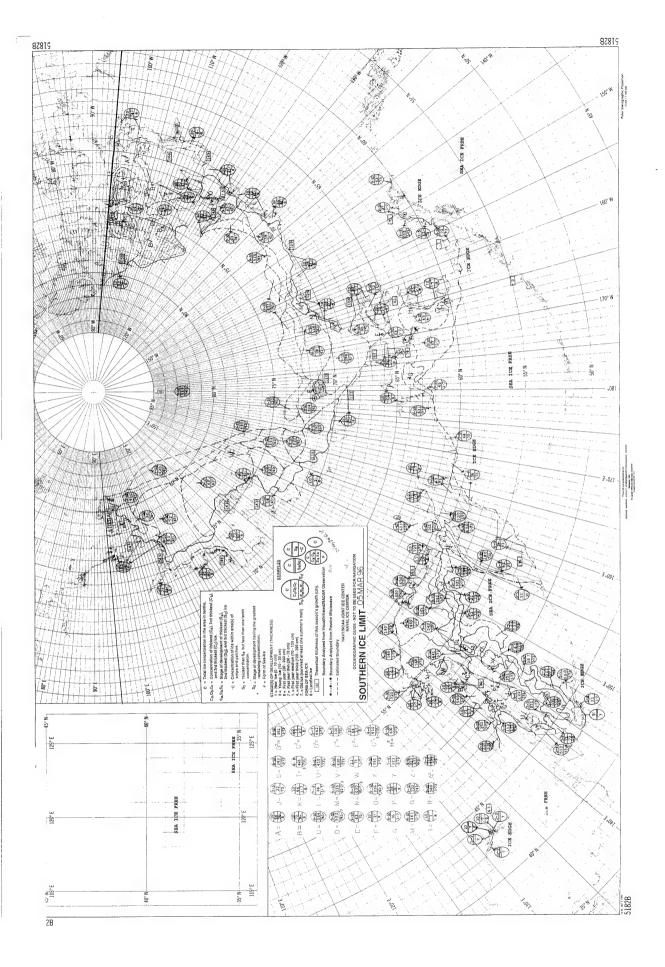


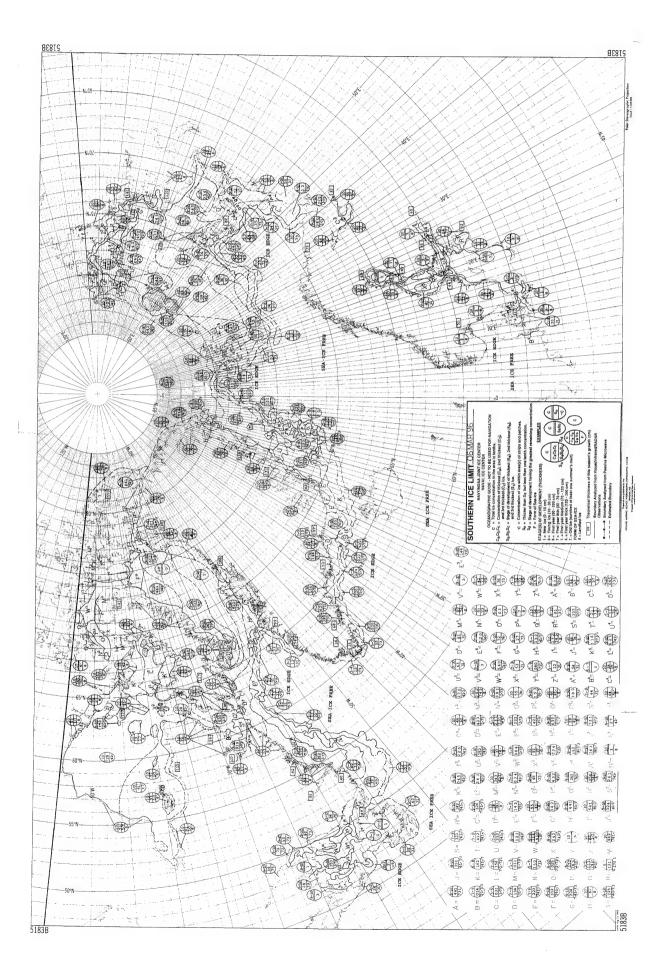


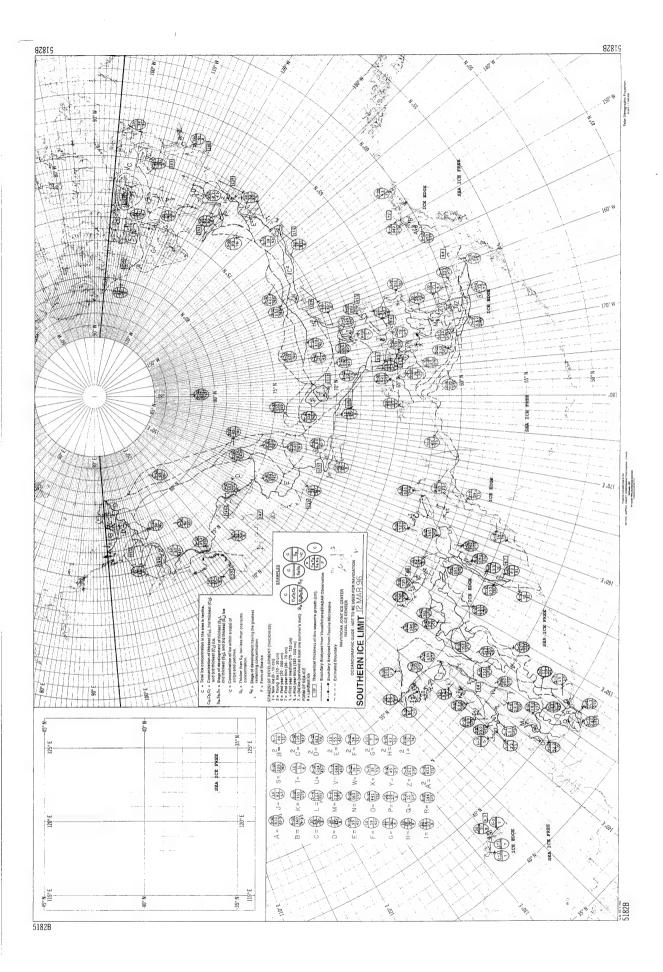


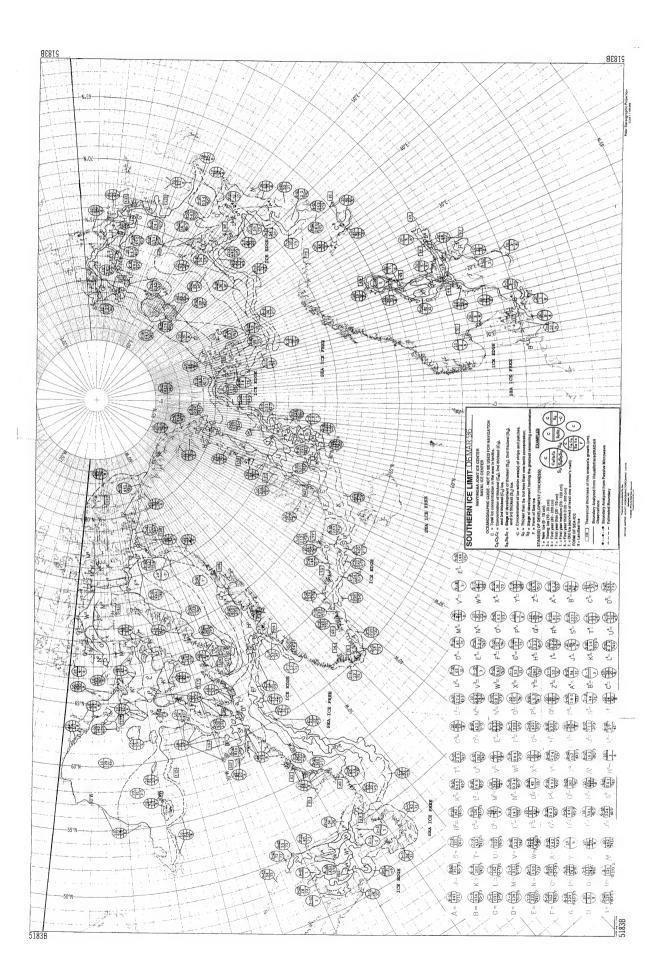


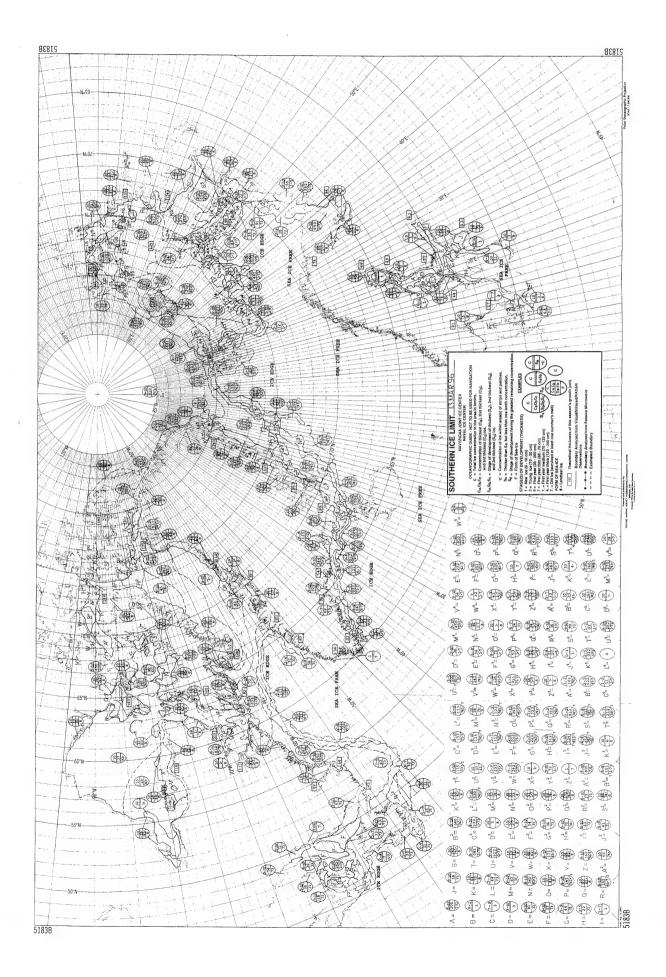


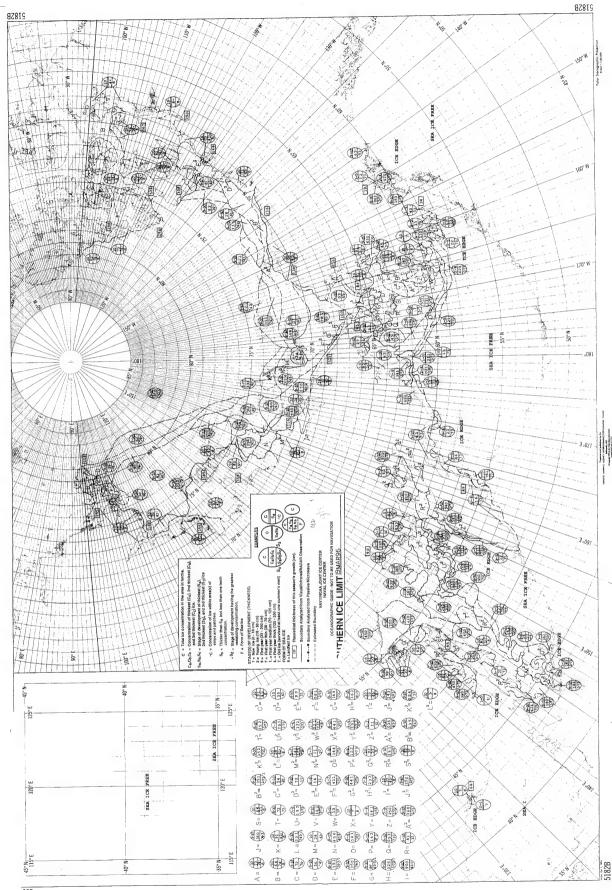


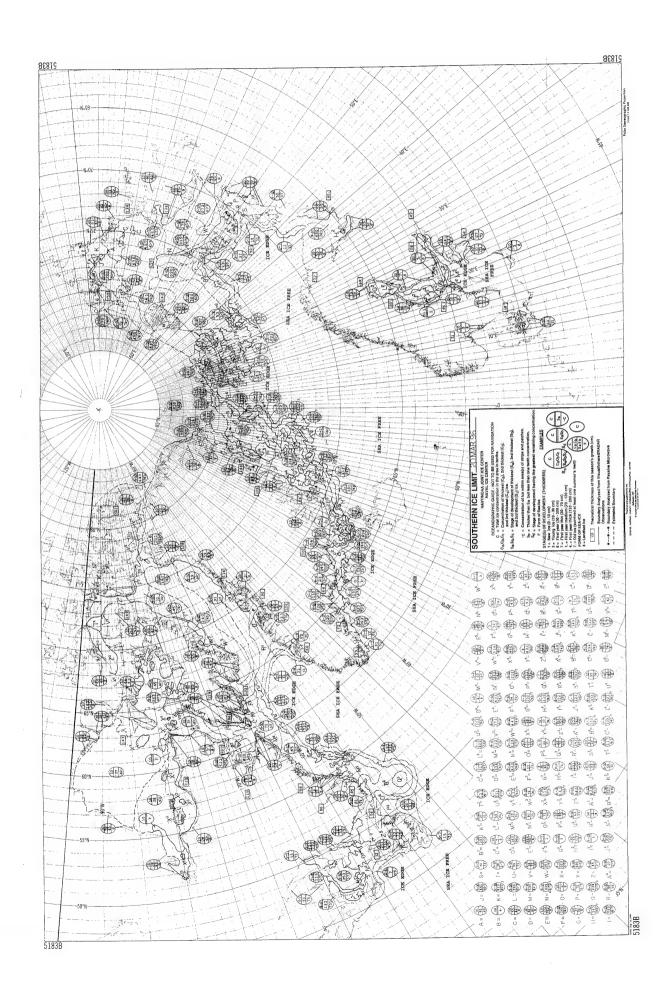


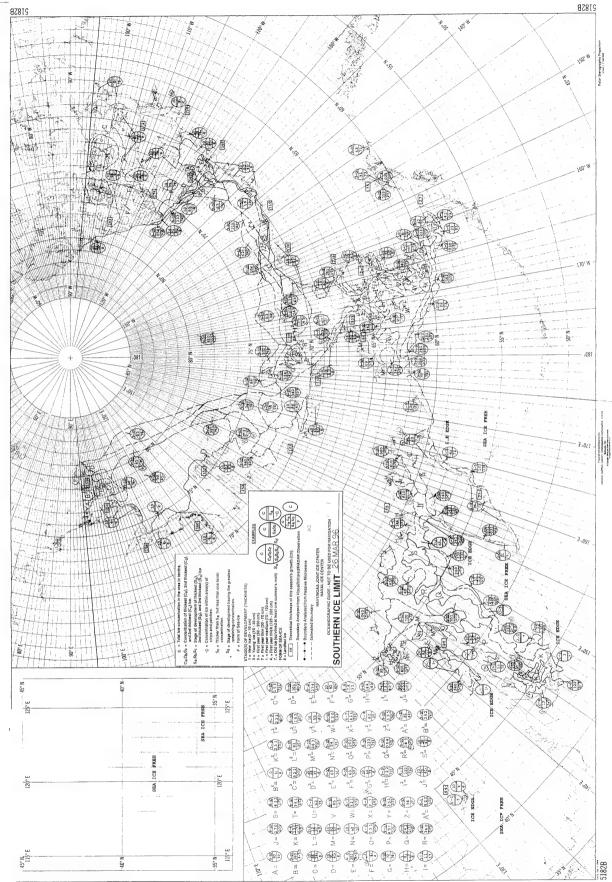


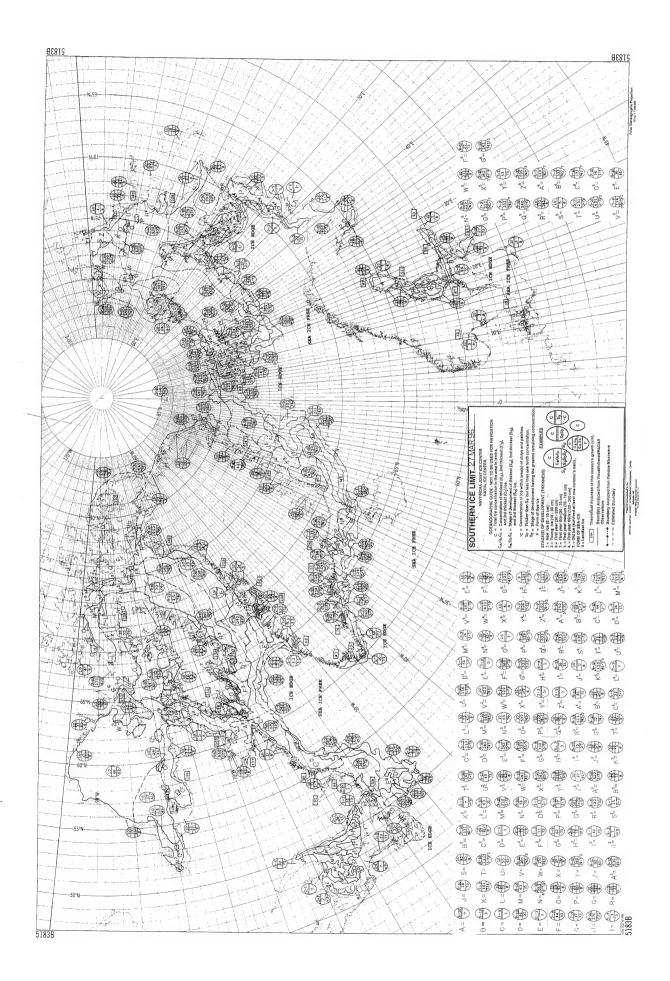


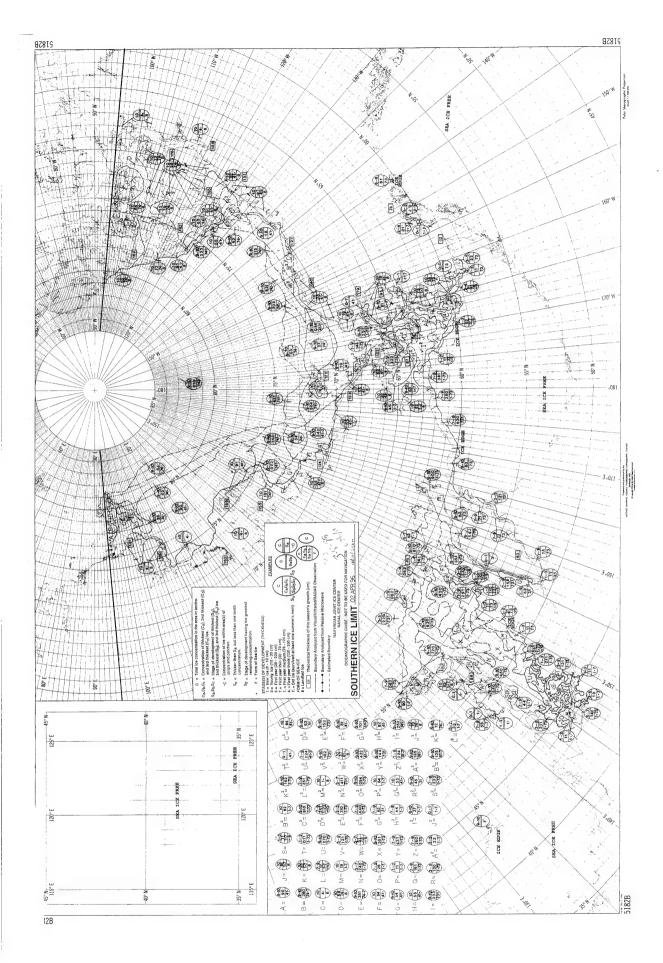


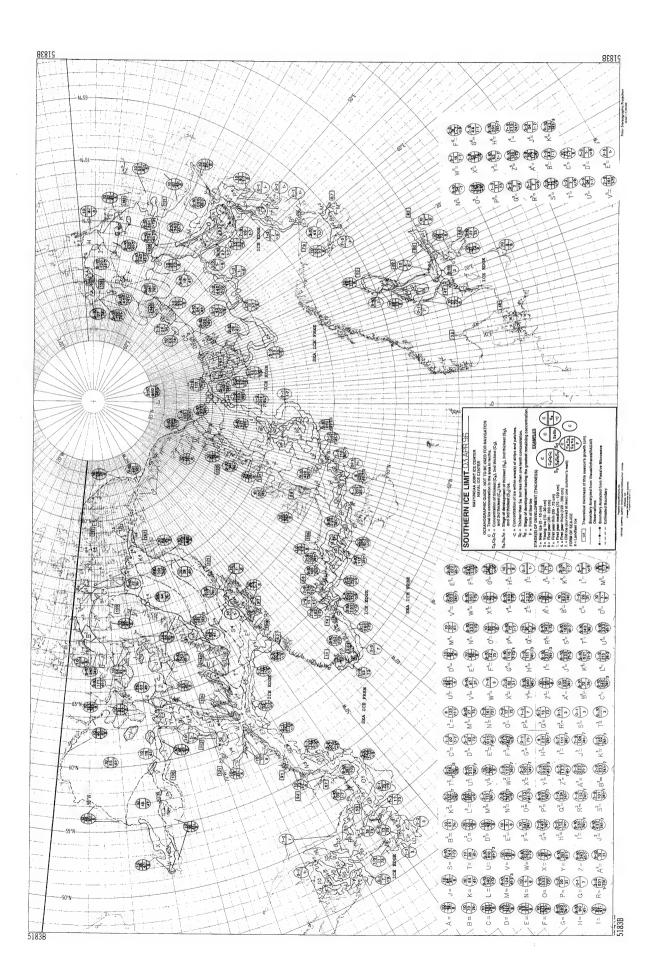


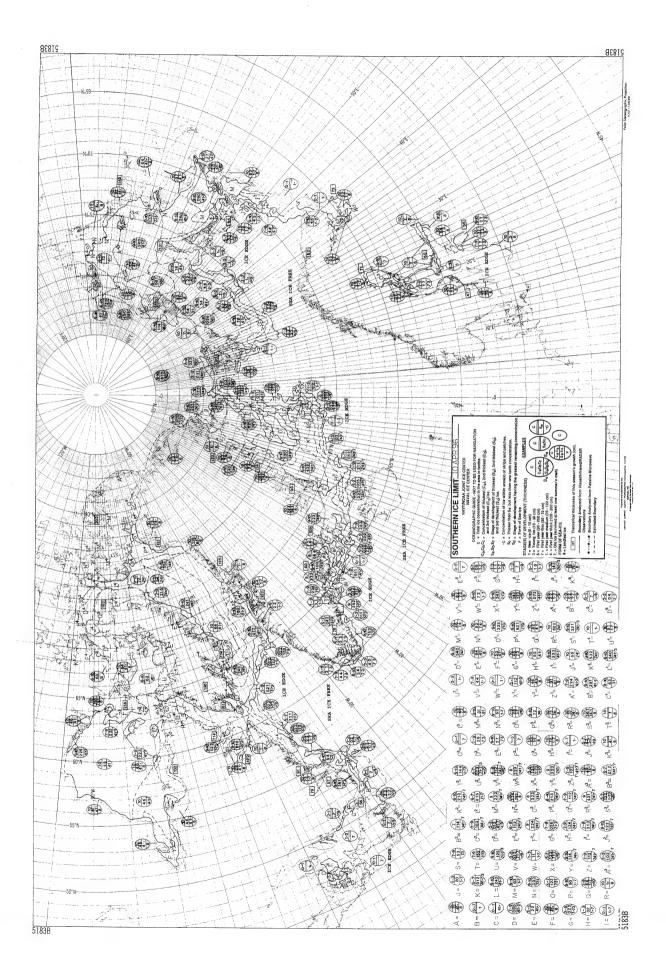


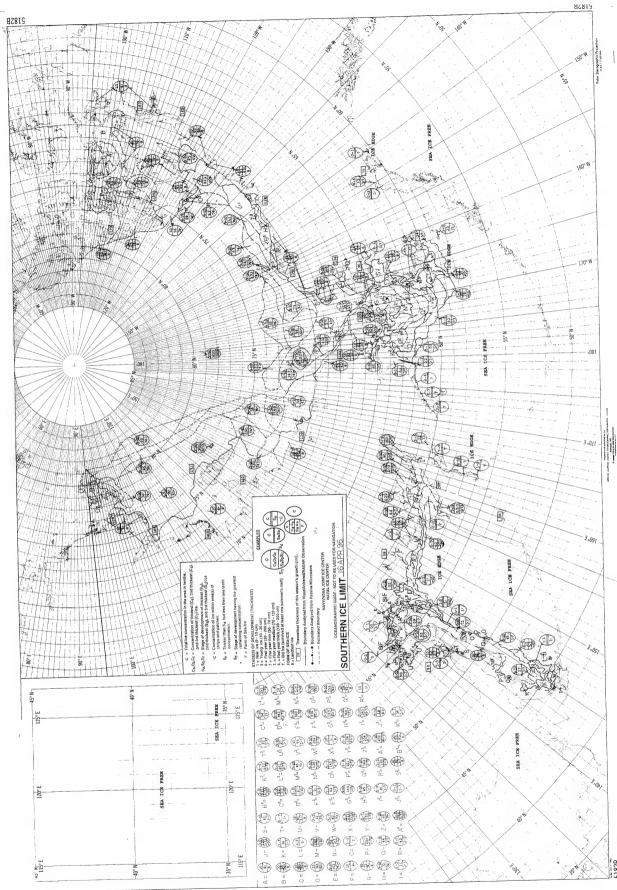


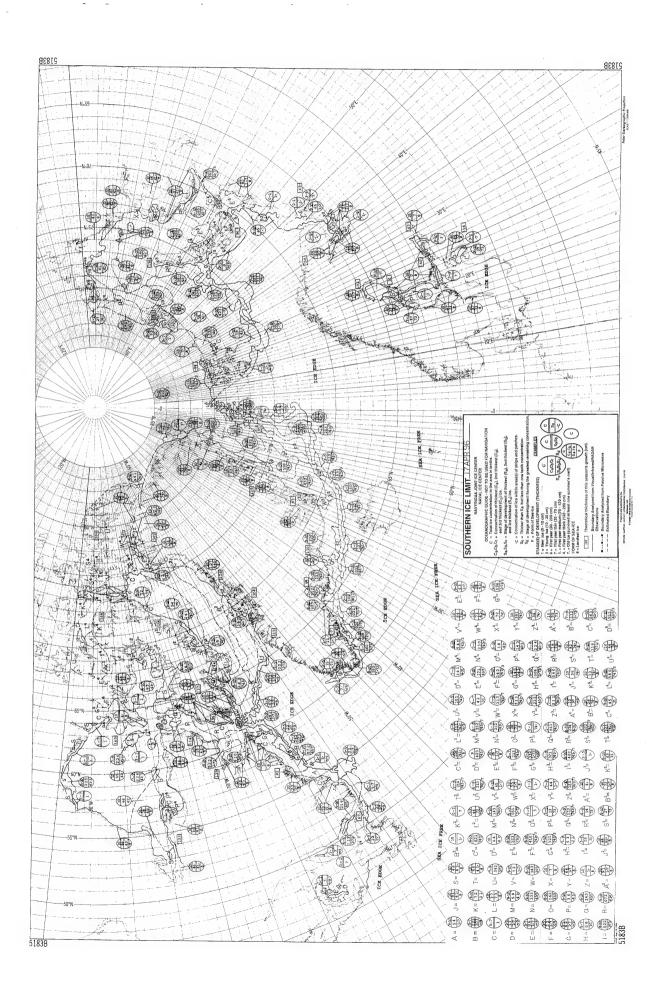


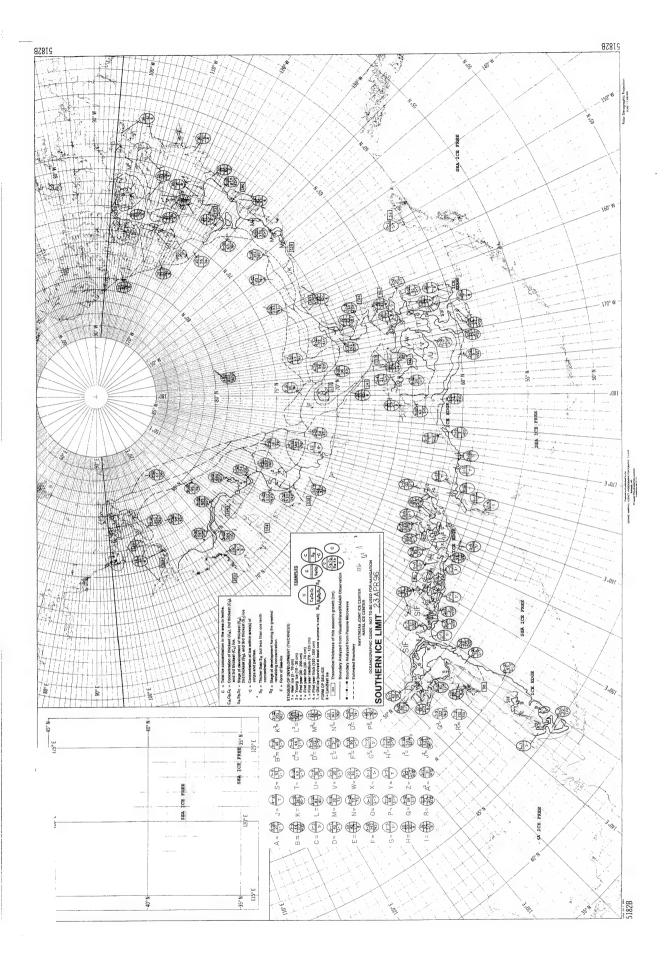


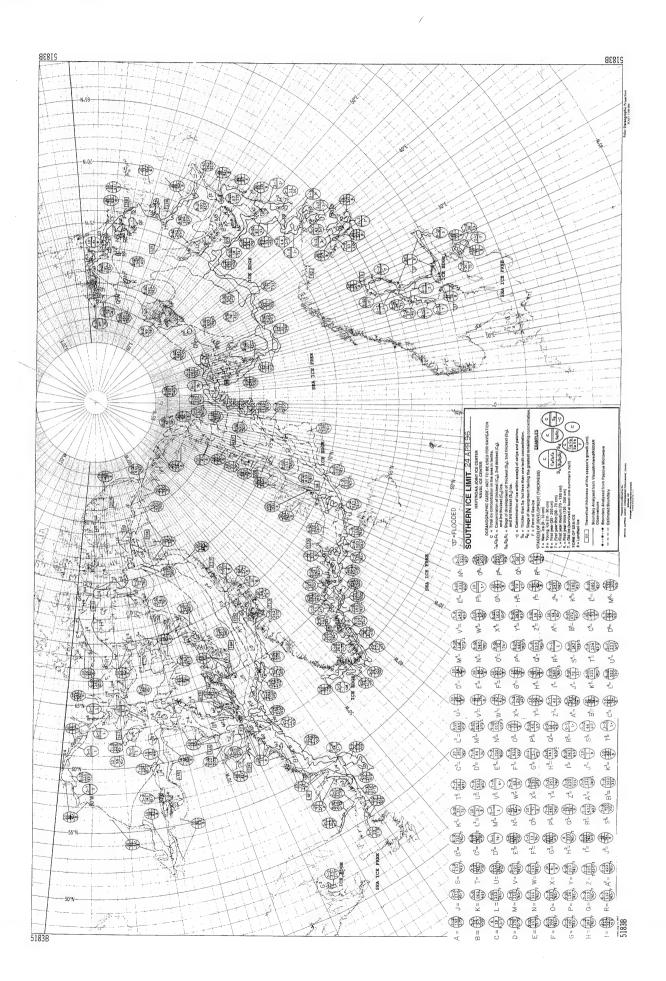


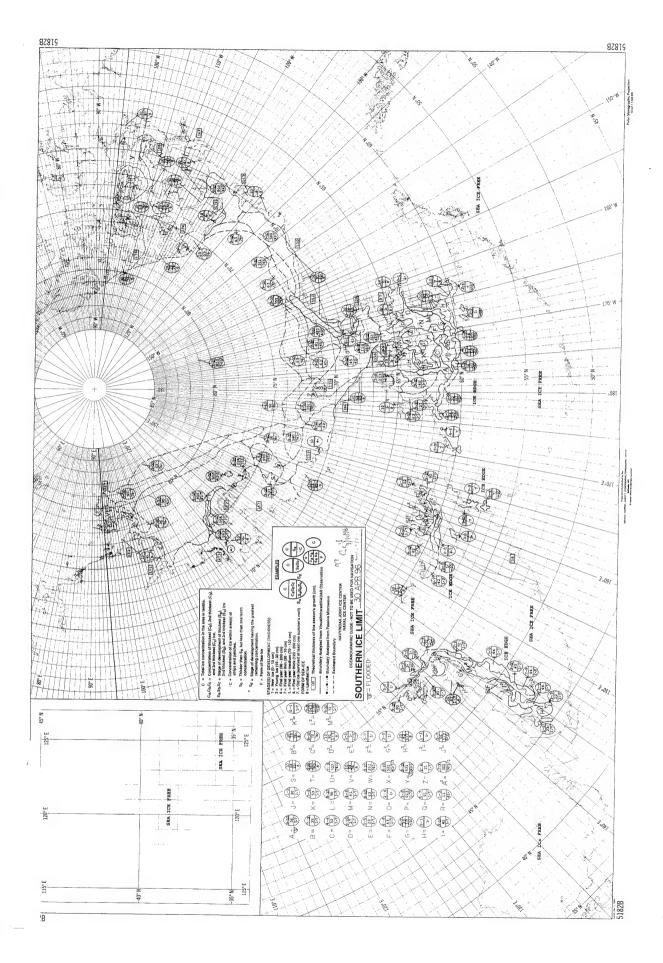


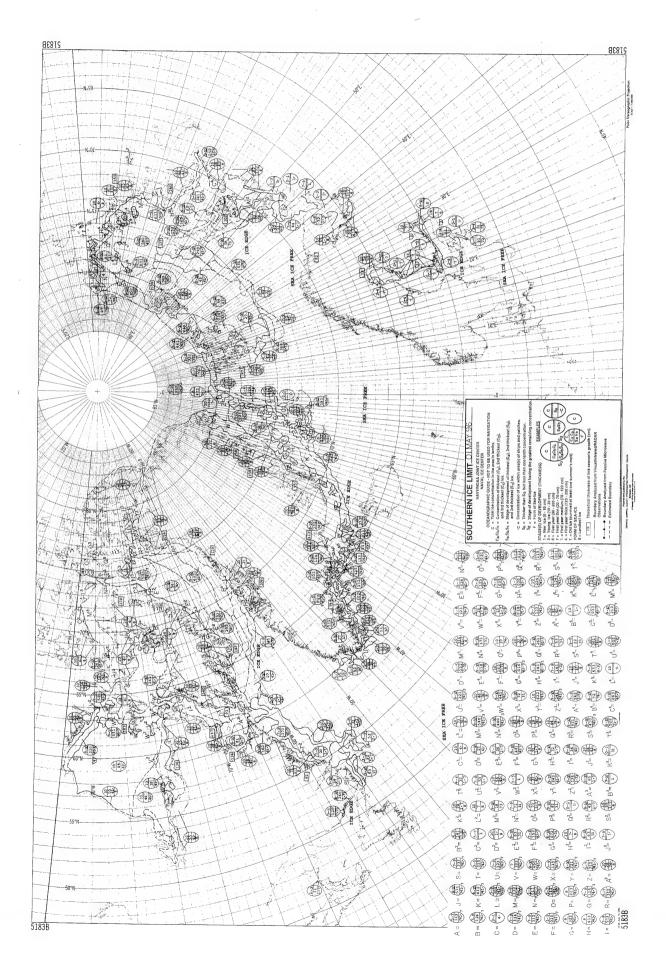


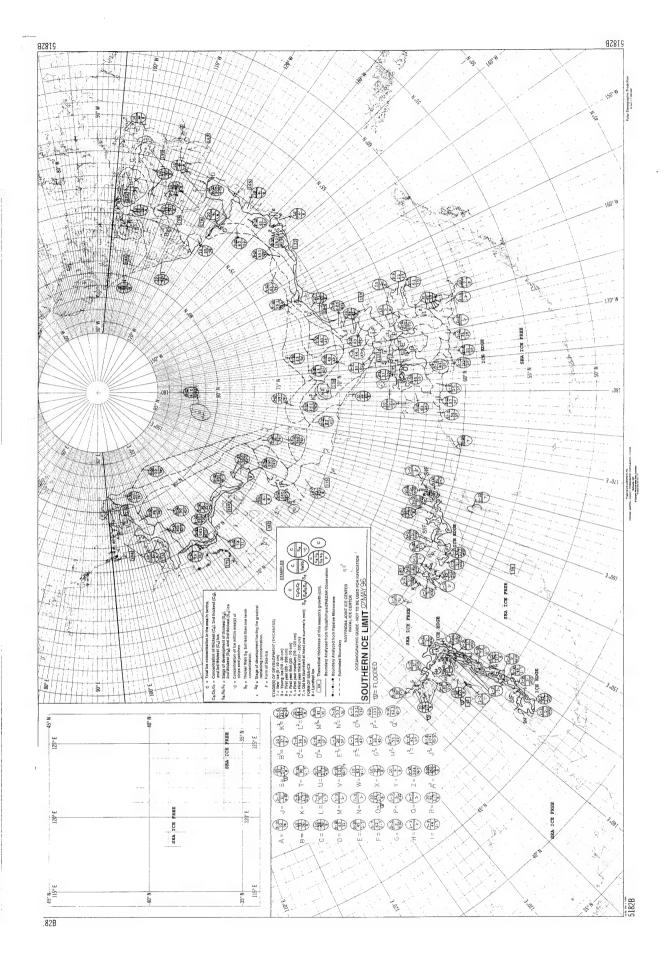


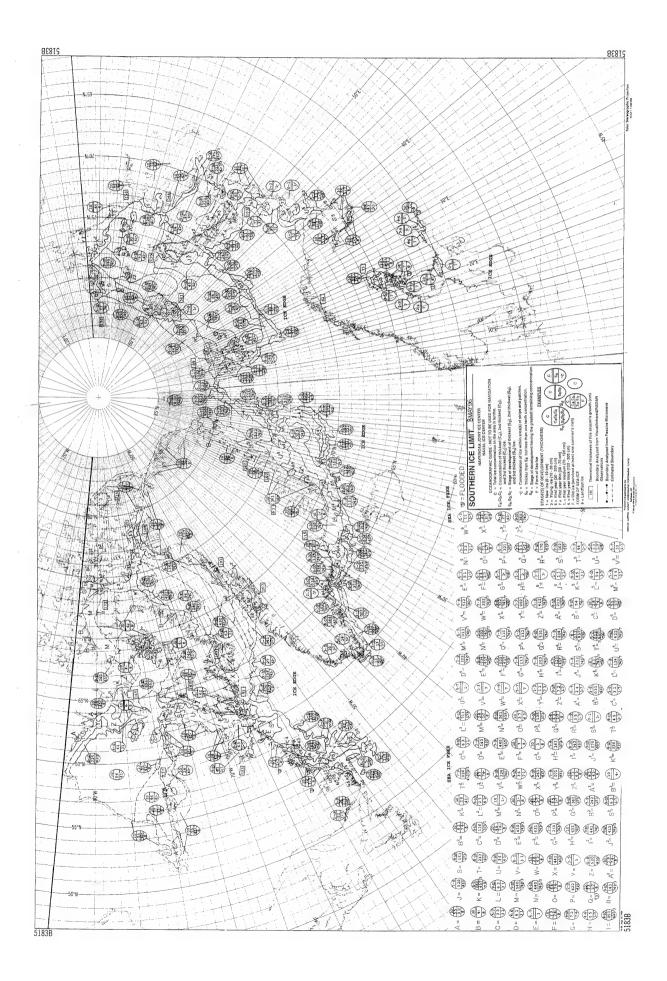


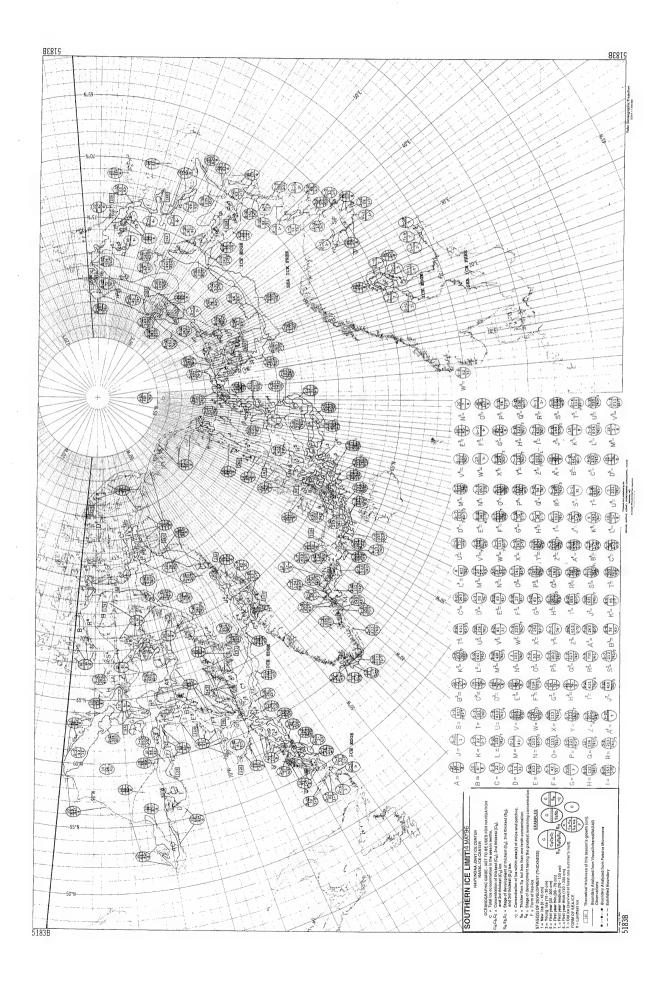


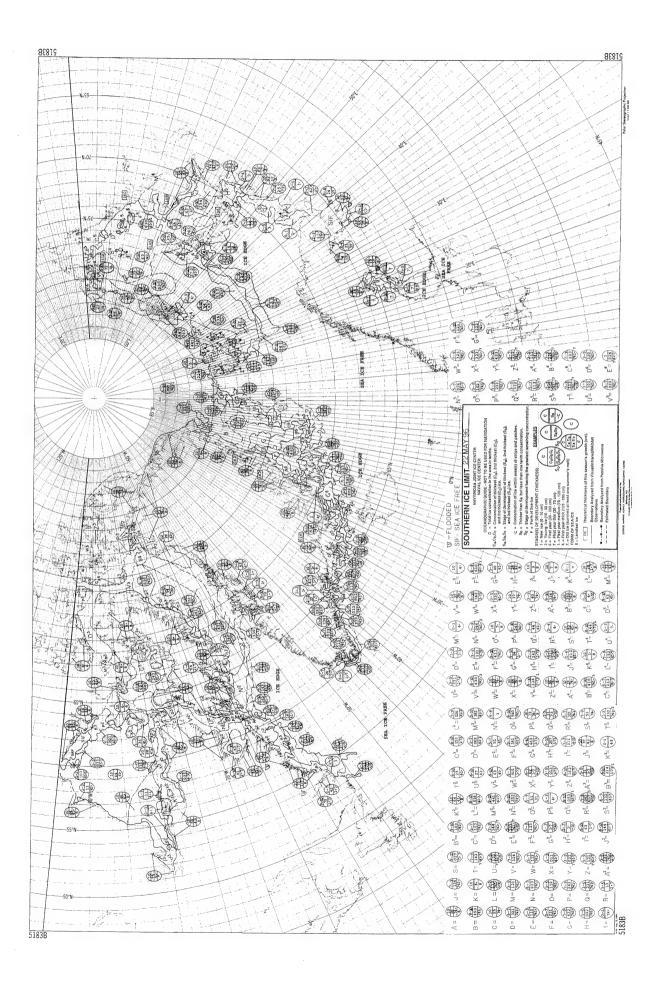


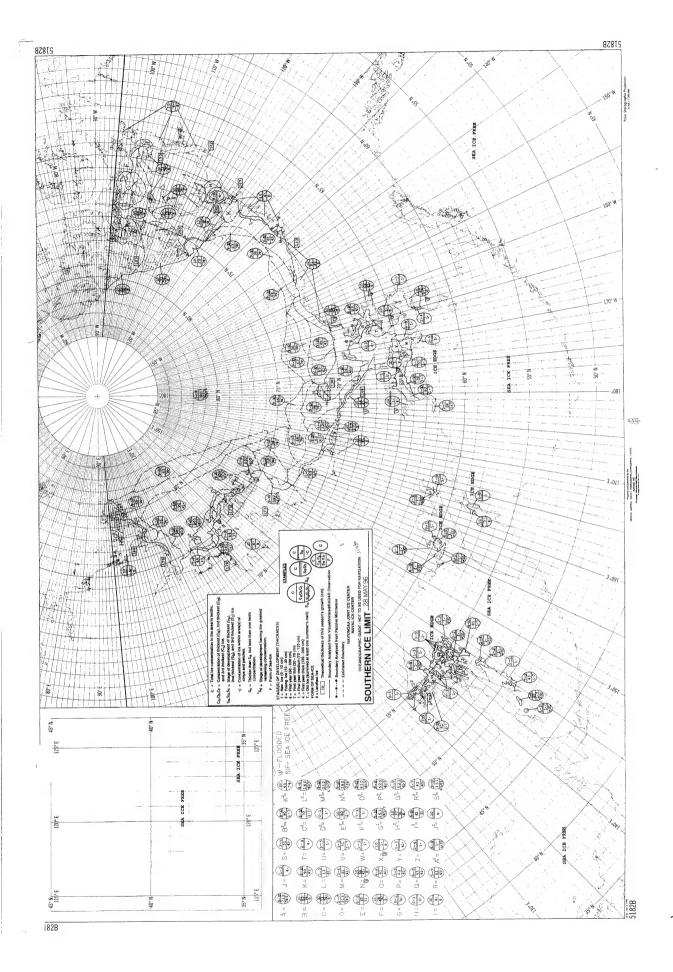


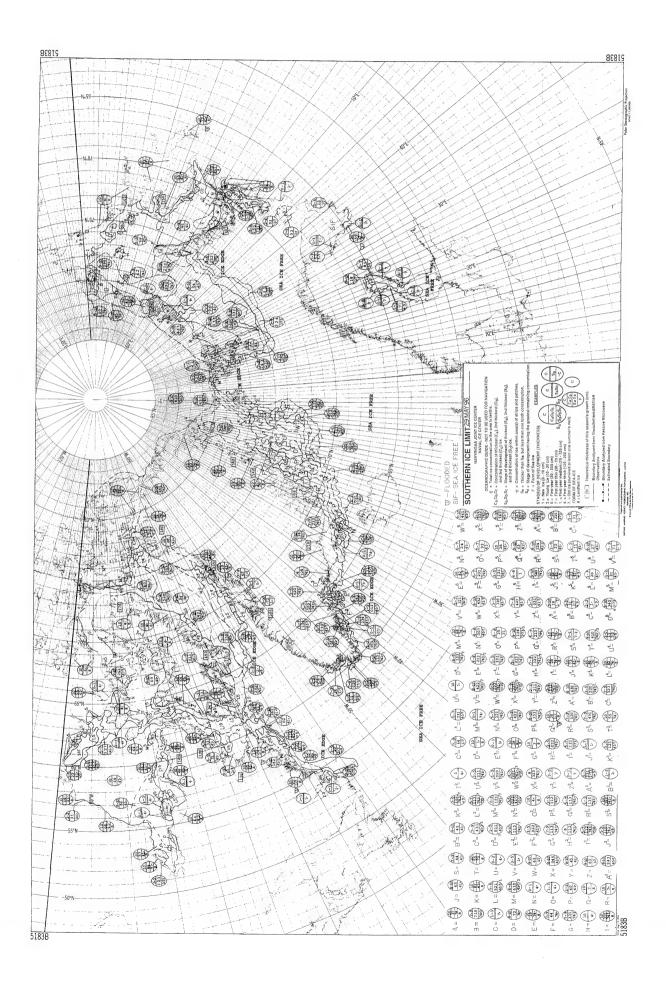


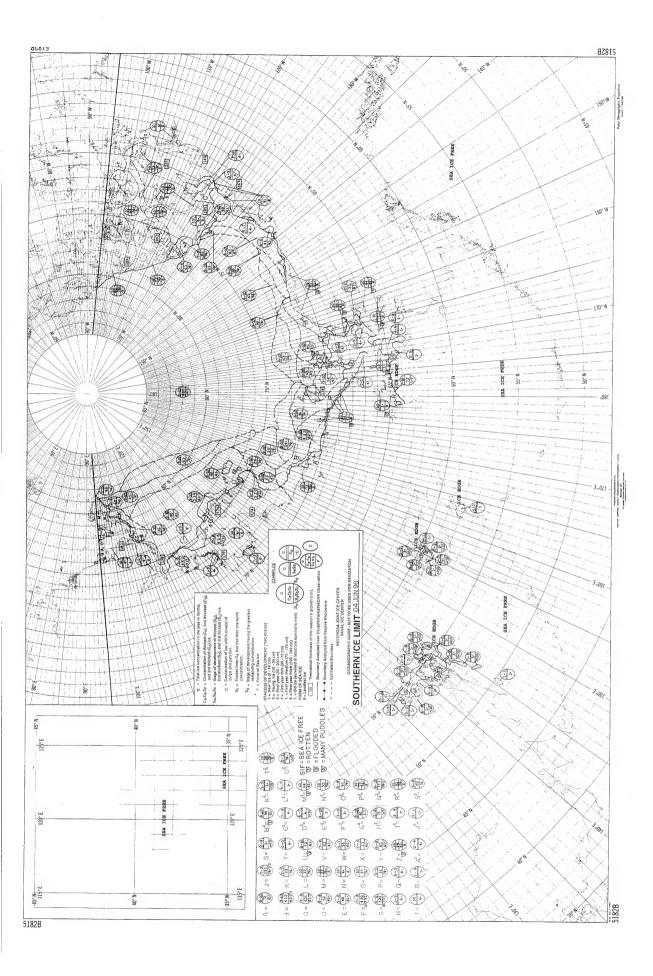


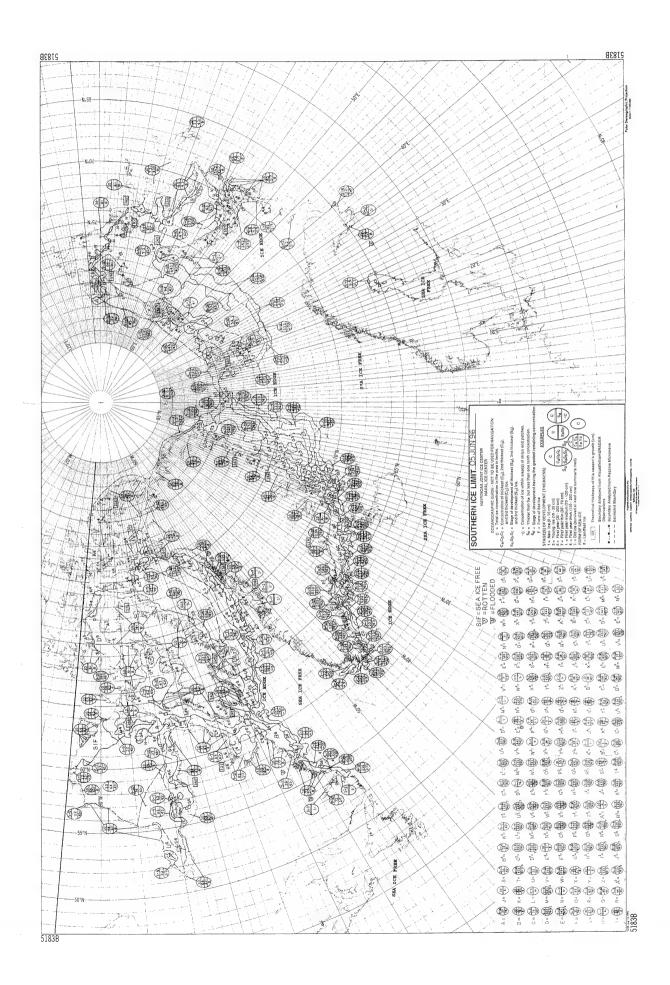


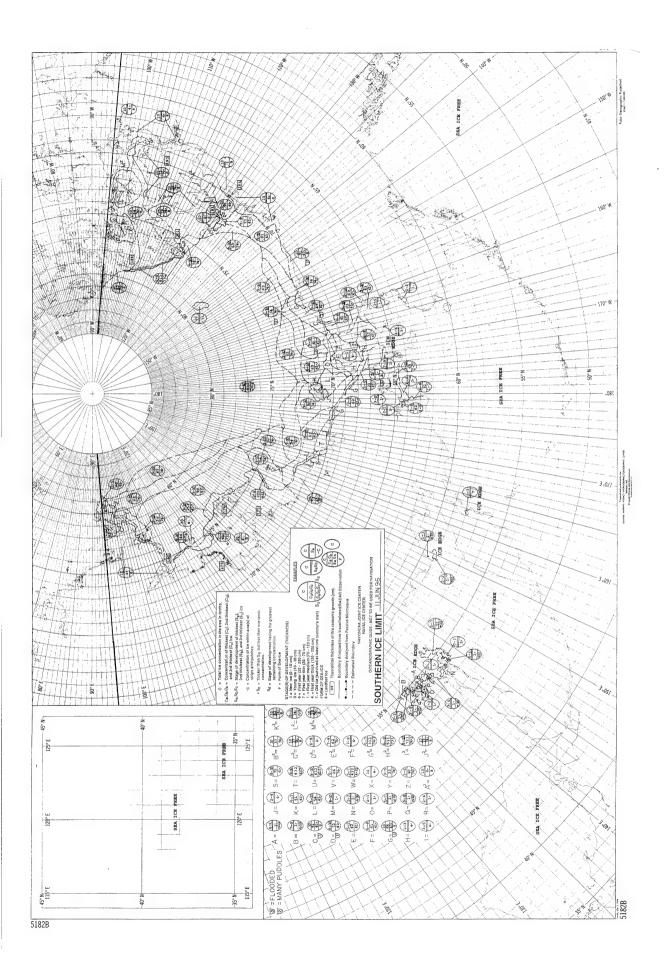


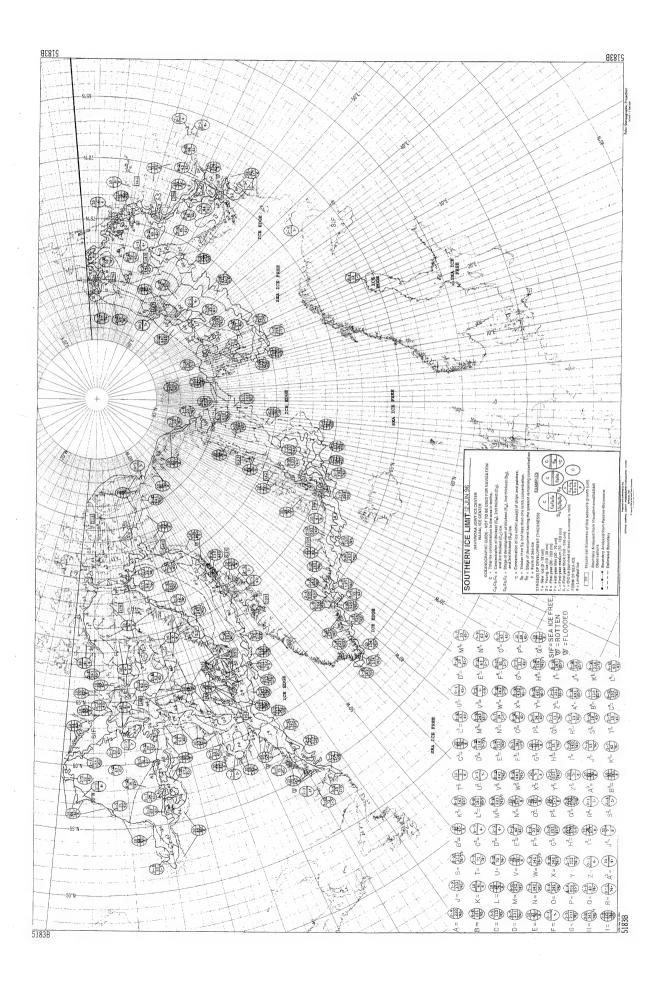


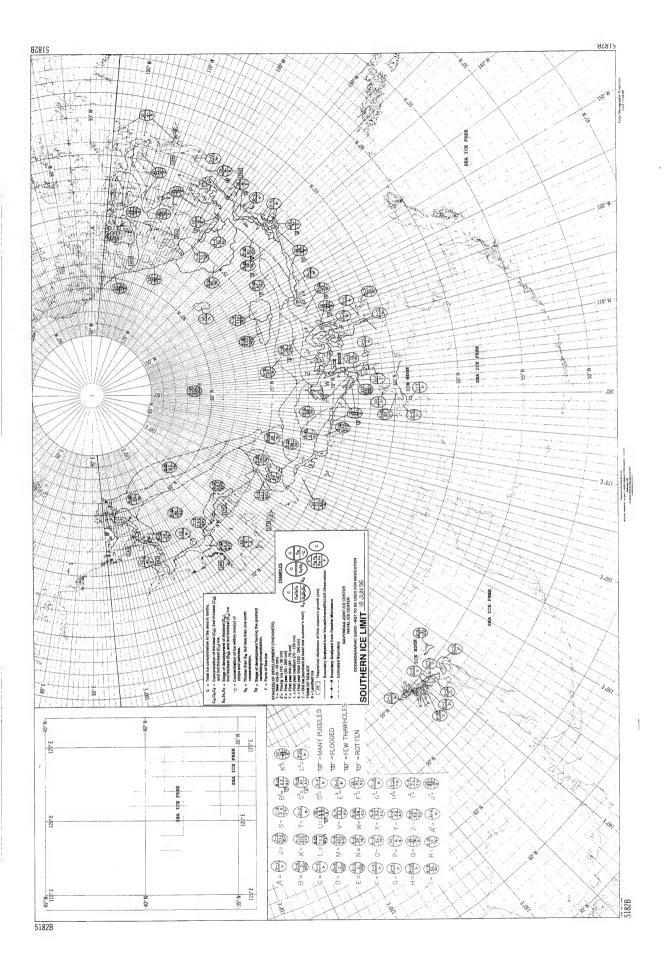


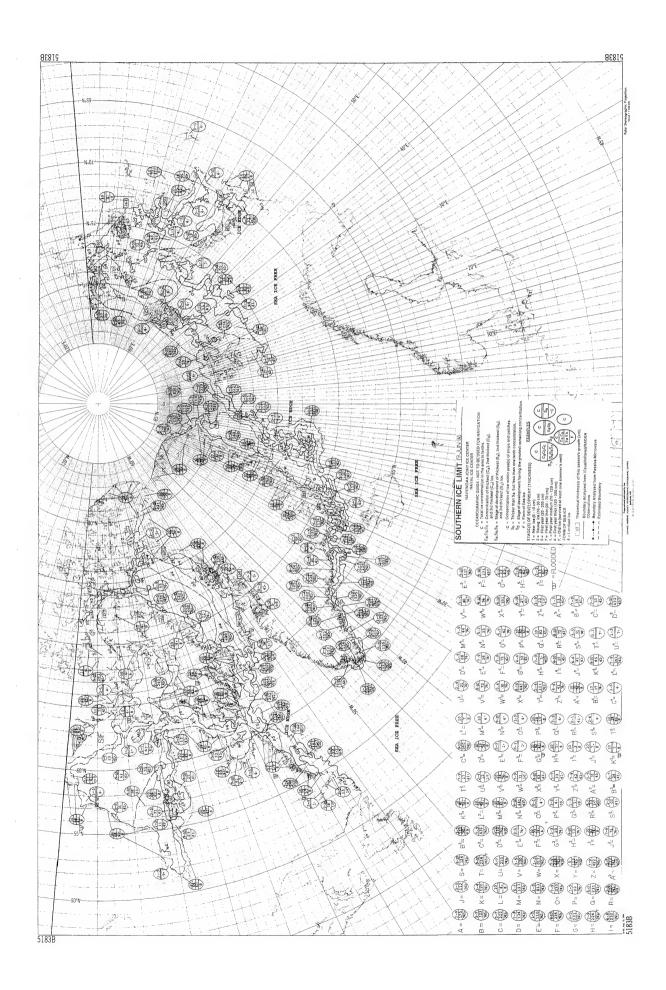


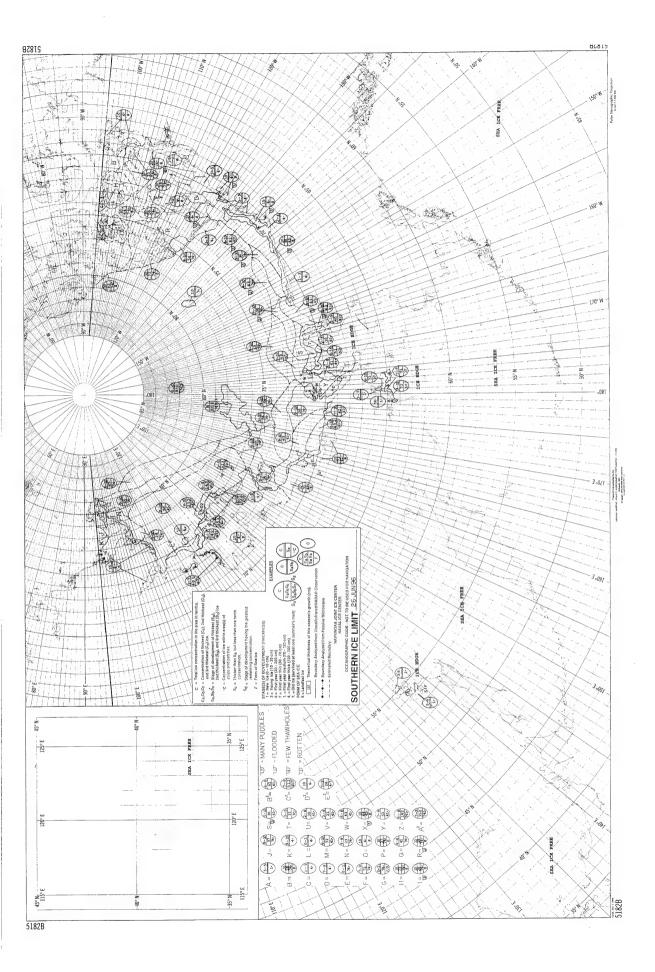


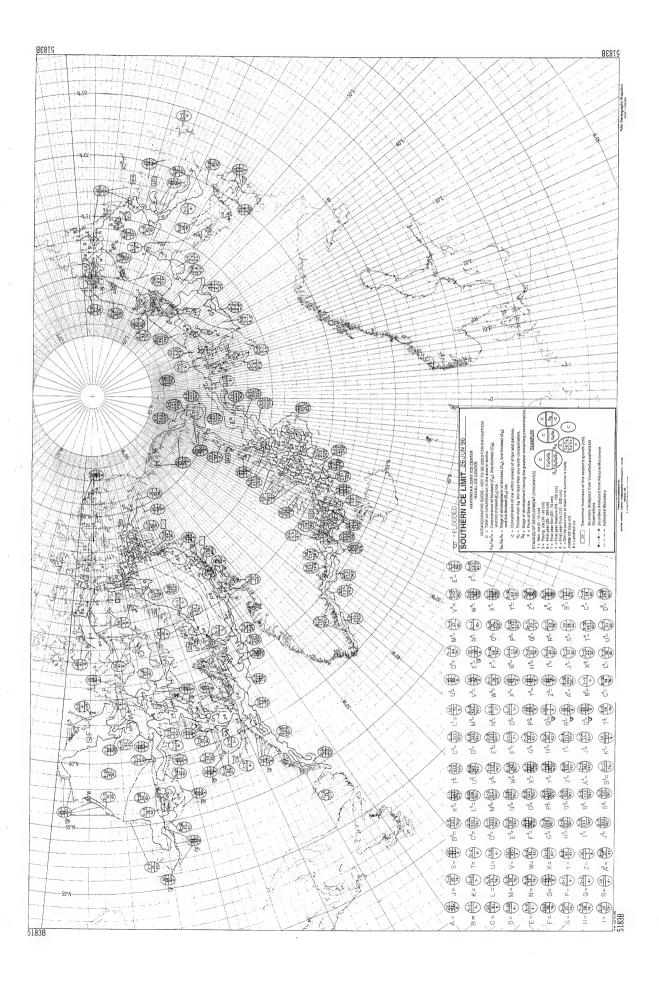


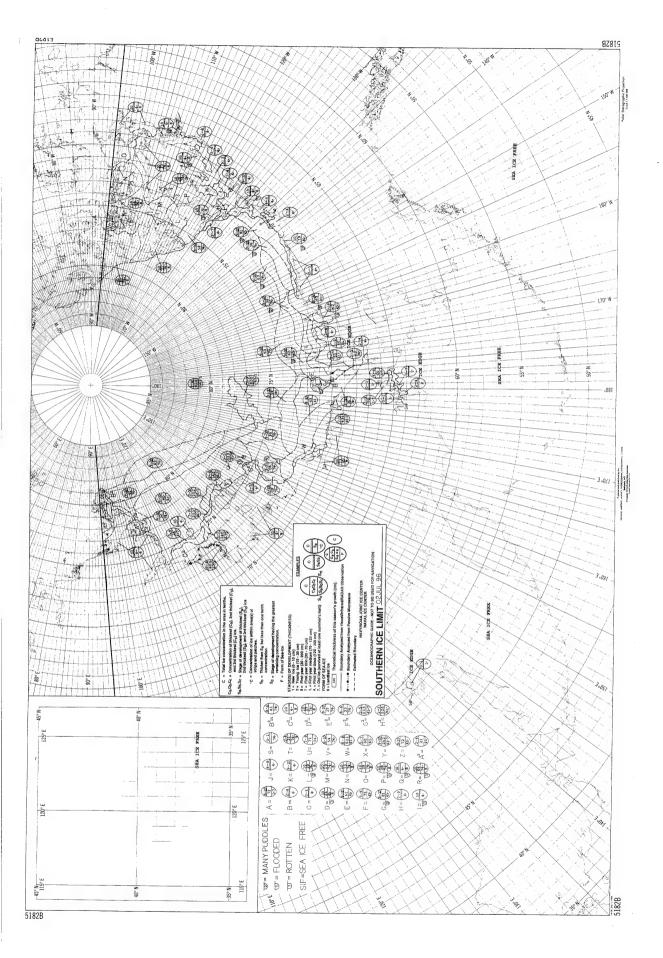


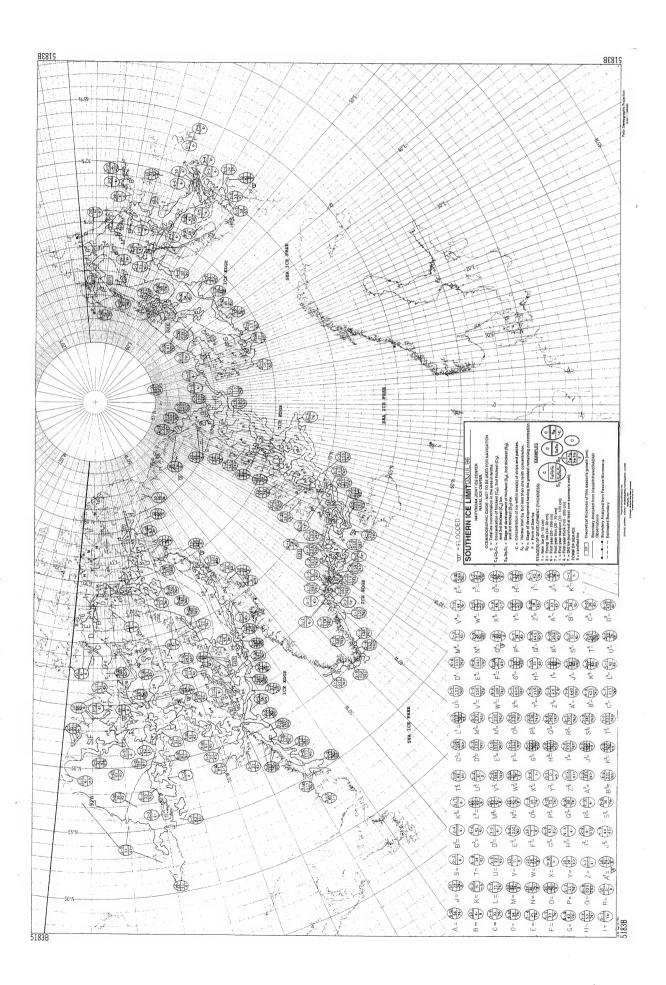


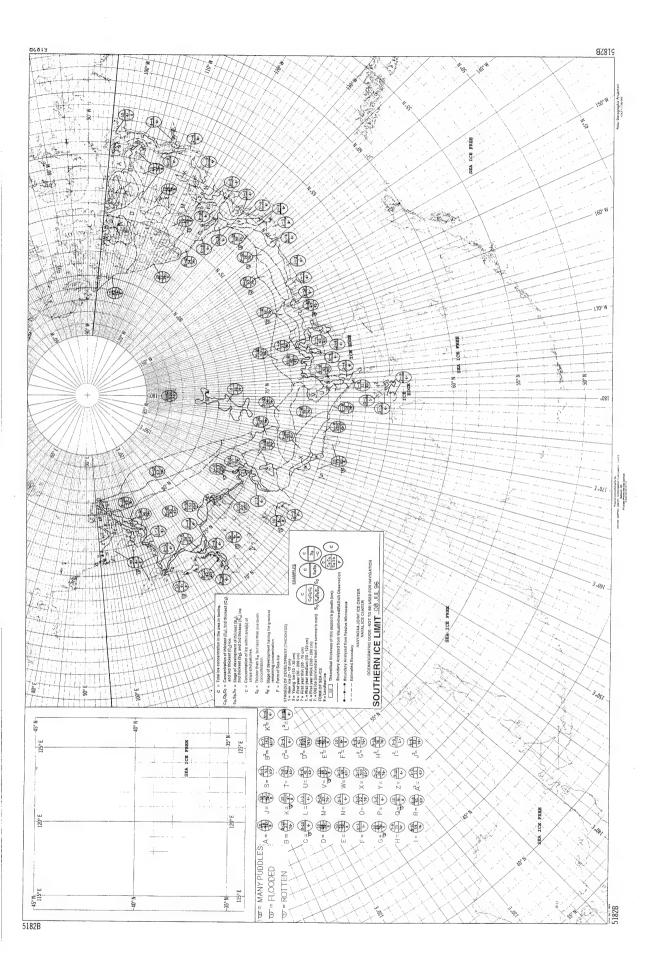


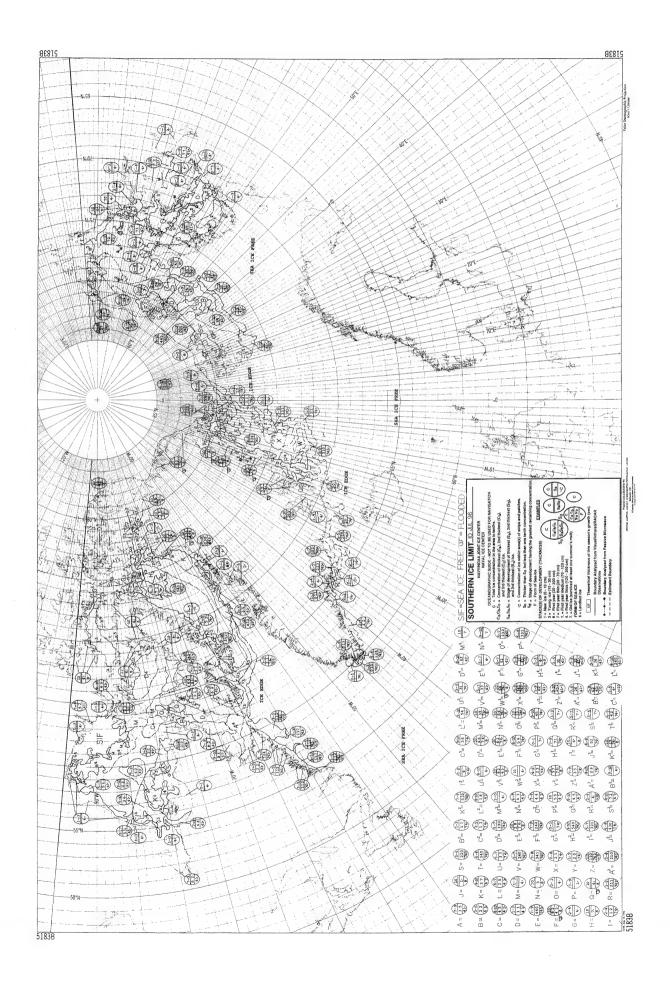


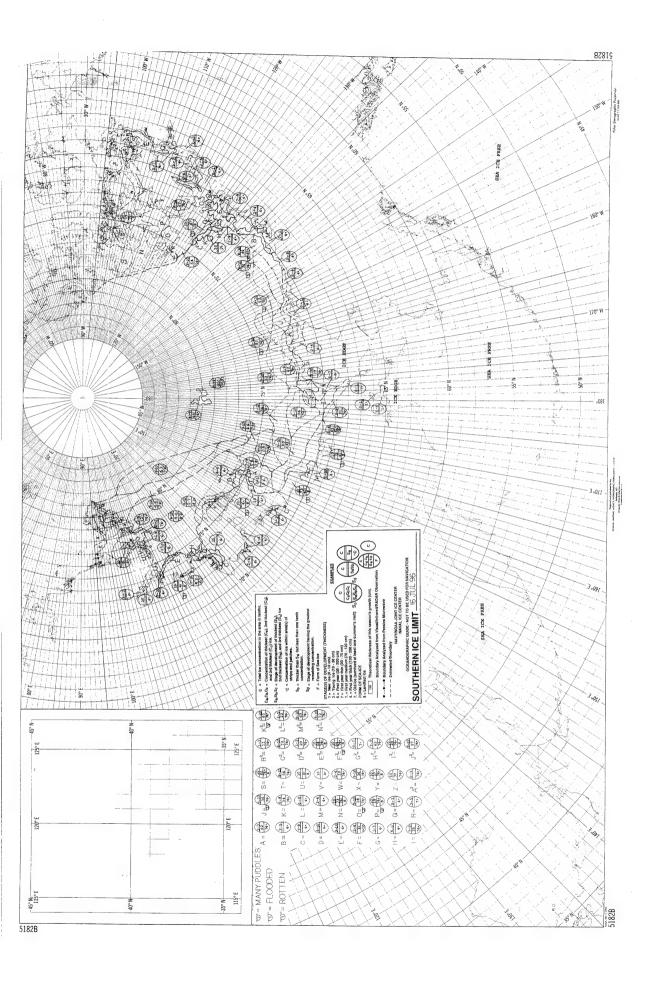


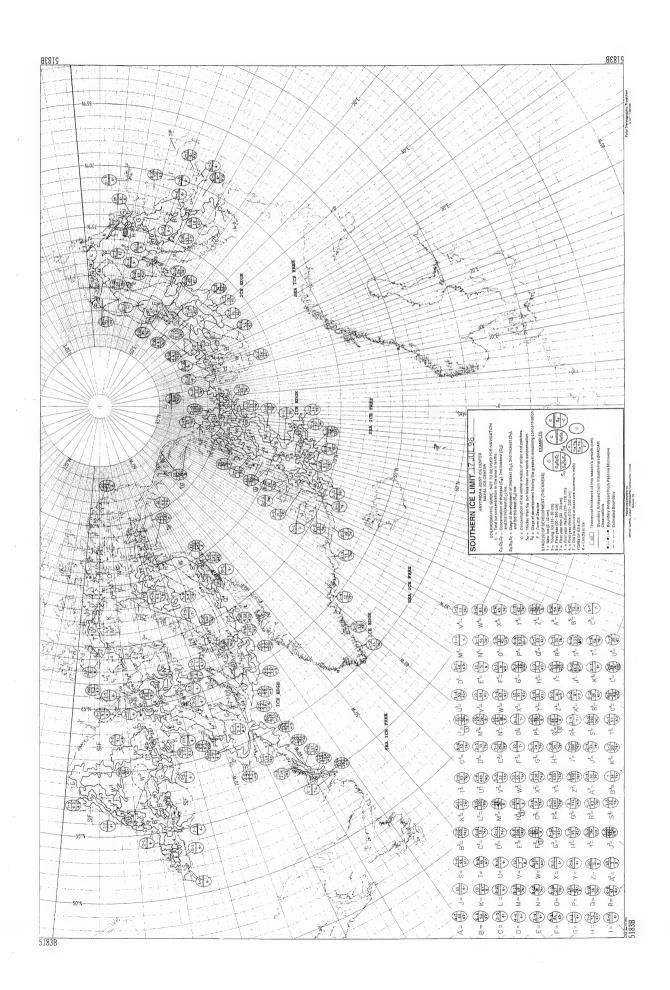


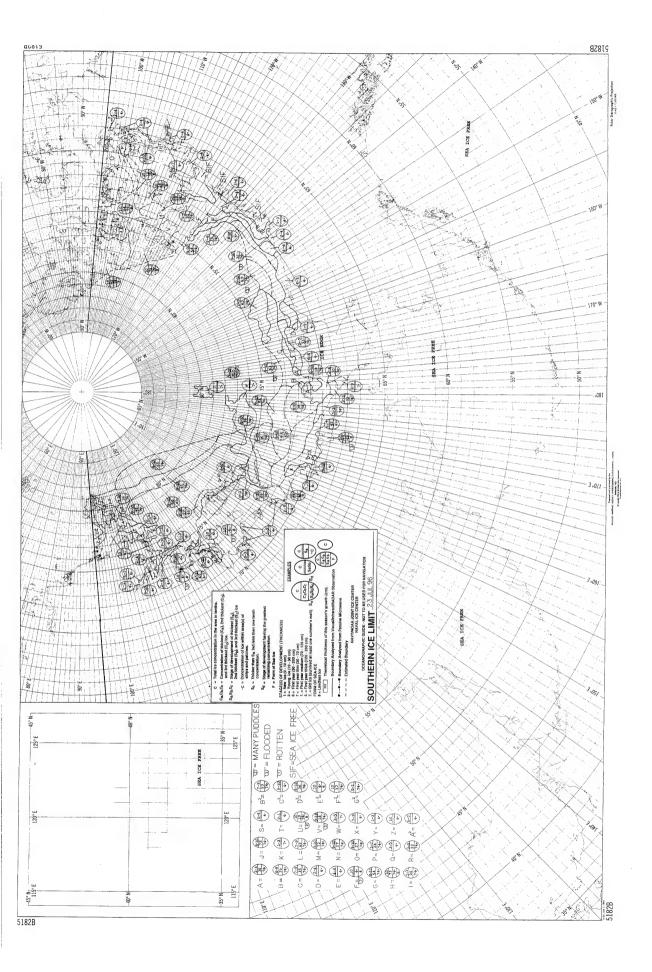


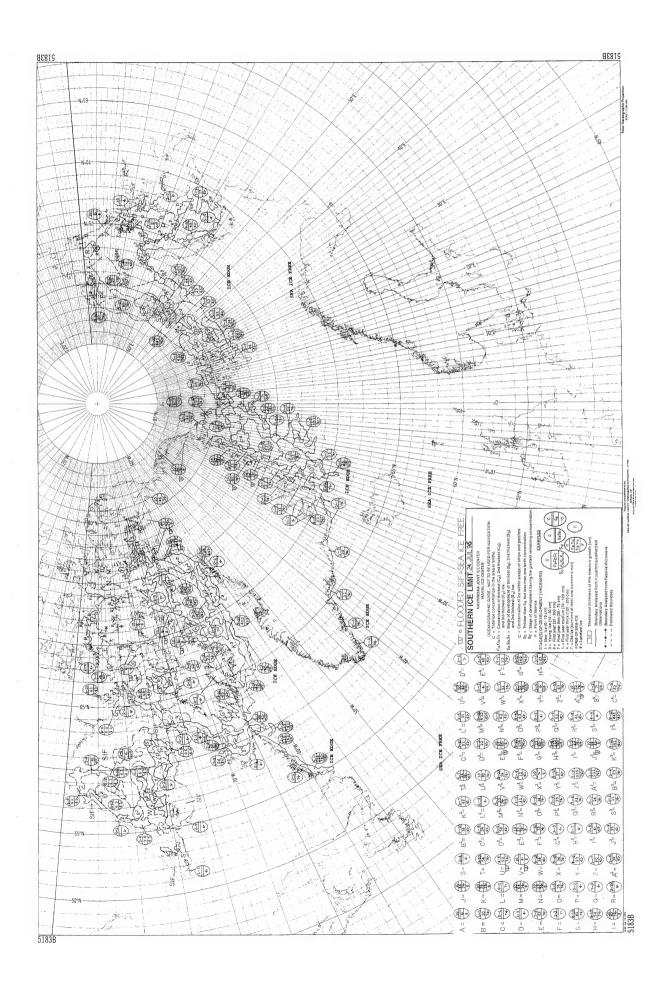


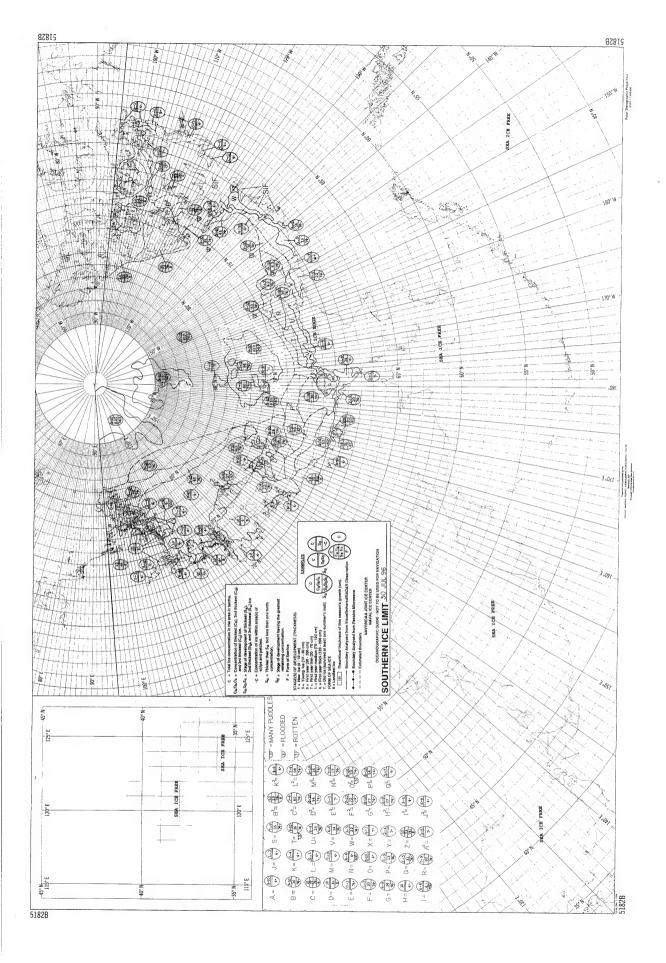


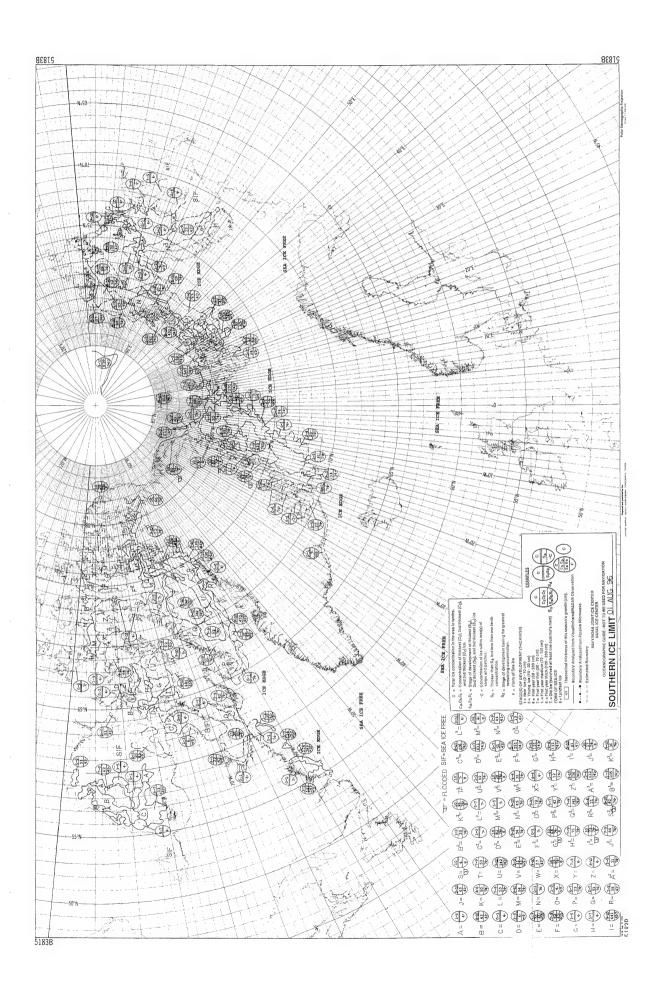


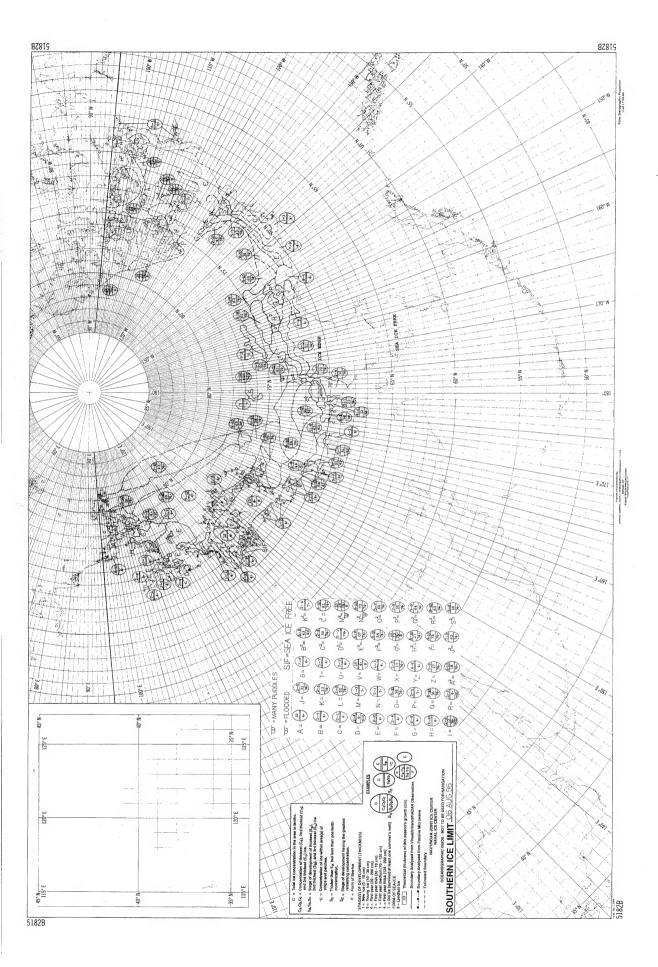


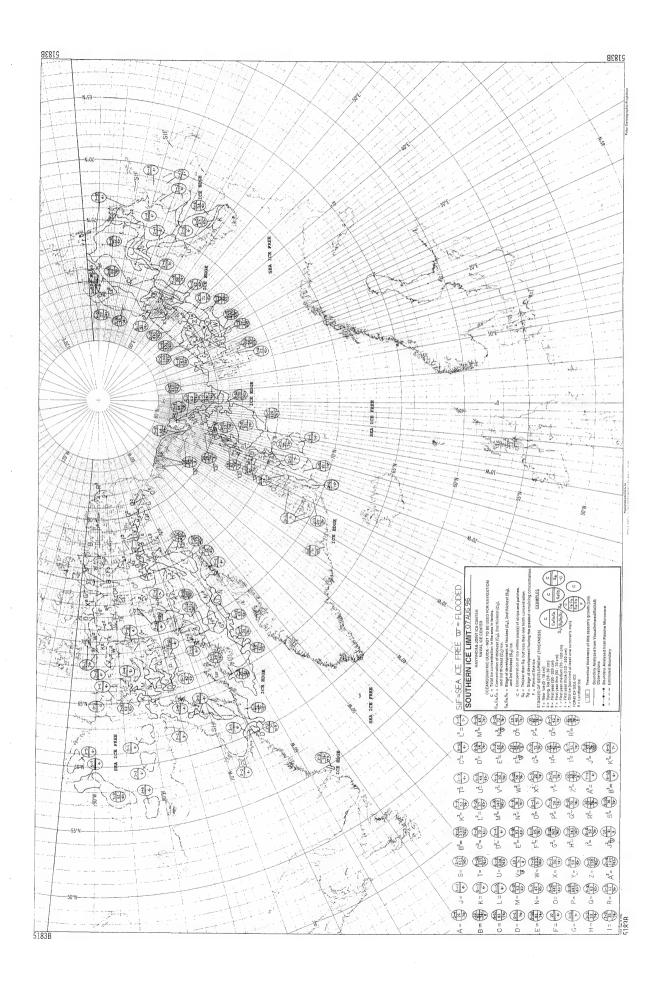


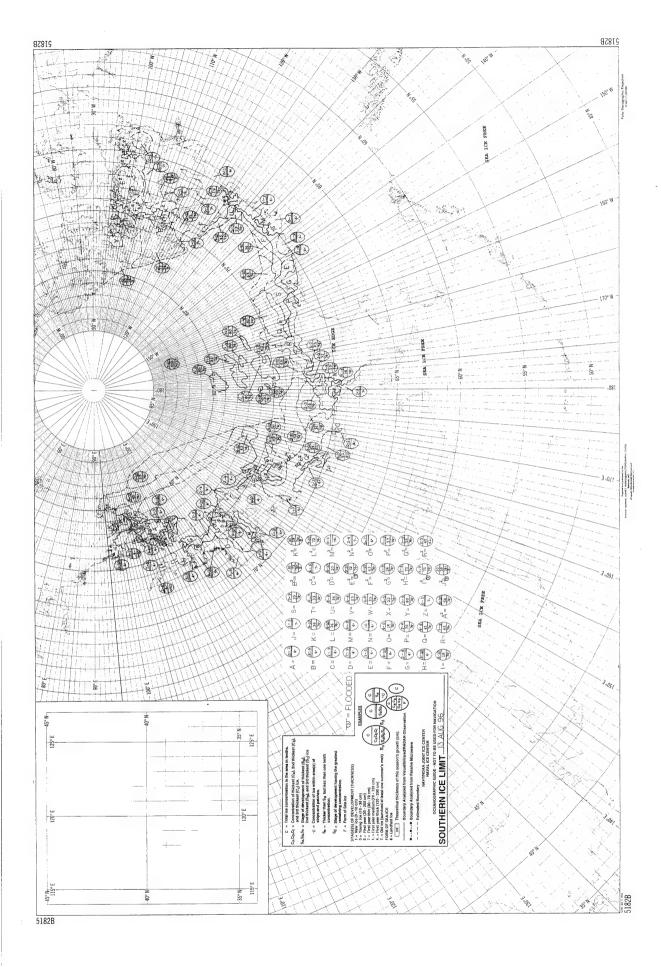


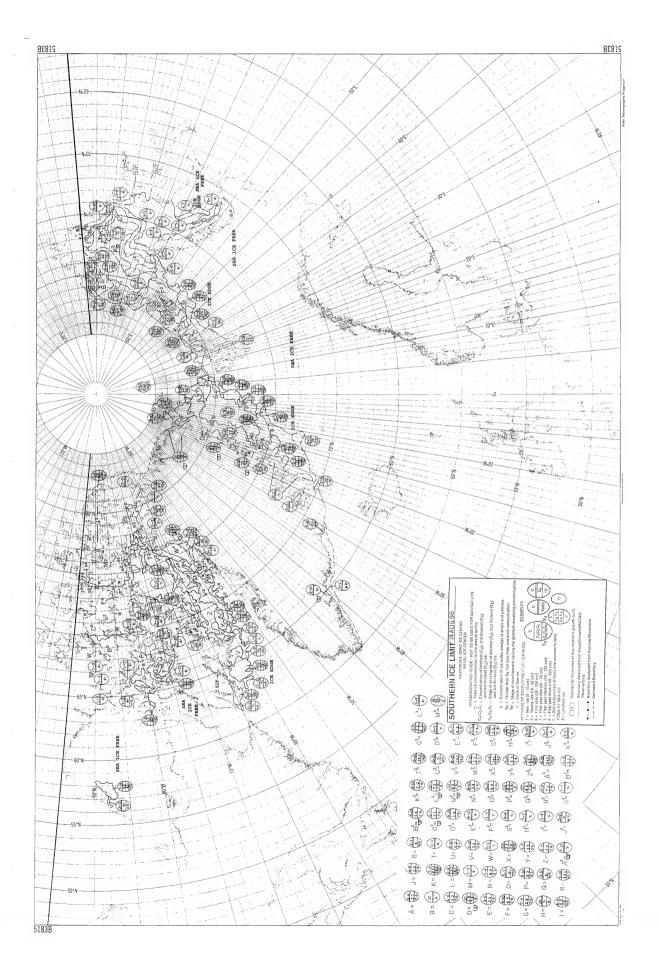


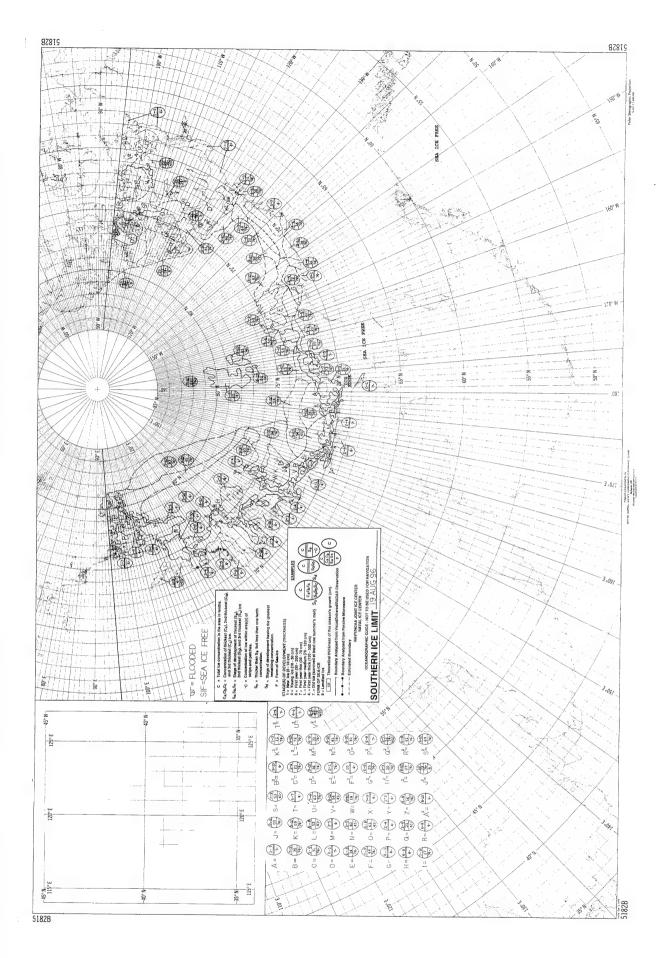


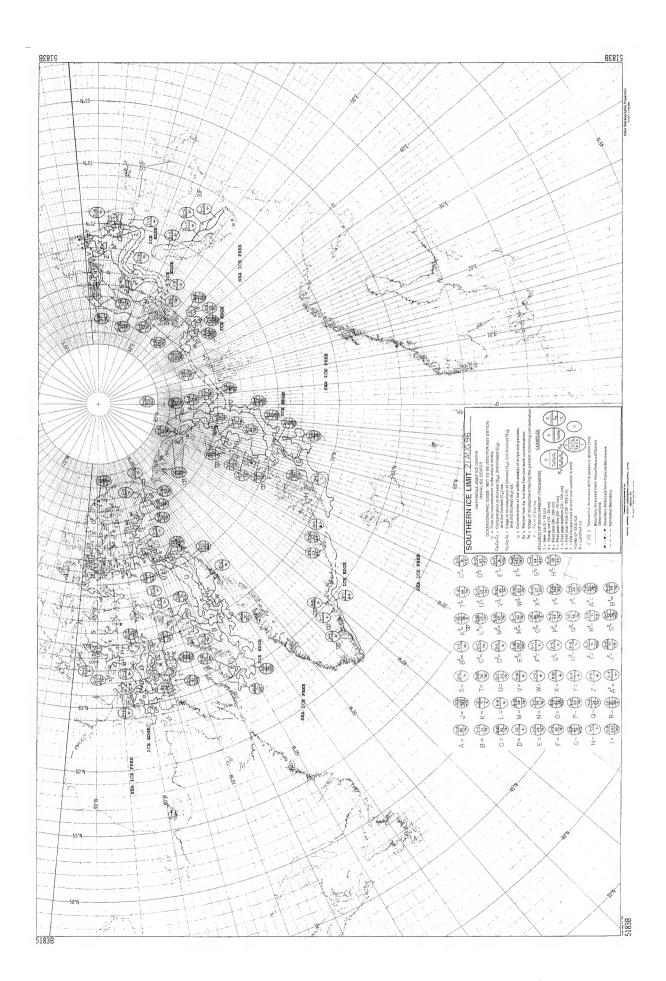












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